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<220>
<221> SITE
<222> (961)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (963)
<223> n equals a,t,g, or c
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<210> 846
<211> 990
<212> DNA
<213> Homo sapiens
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<211> 968
<212> DNA
<213> Homo sapiens
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<210> 850

<211> 1643

<212> DNA

<213> Homo sapiens

<400> 850

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<210> 851

<211> 2298

<212> DNA

<213> Homo sapiens

<400> 851

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<210> 852
 <211> 1952
 <212> DNA
 <213> Homo sapiens

<400> 852						
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<210> 861

<211> 3145

<212> DNA

<213> Homo sapiens

<400> 861

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<210> 863

<211> 3195

<212> DNA

<213> Homo sapiens

<400> 863

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gcctctcatt	ttttattatg	aggtctgttt	ttaaataact	aatttgaaca	gctctaagat	1980
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaatta	aaaaaaaaaa	aaaaaaaaaa	aaaagtacct	3180
cggccgcgac	cacgc					3195

<210> 864
 <211> 1262
 <212> DNA
 <213> Homo sapiens

<400> 864						
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tcaacaaaga	tgaagtgcga	gcaaagcaat	gaaaaatgat	aacactggaa	gtgaaatttt	240
aatcaaacat	aatgaatatt	gtagaagaag	tcactgacca	tgggaatggt	gttcttgctg	300
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gtttttacaa	tgaataaaaa	cactttaatt	ctattttctaa	tgttttaaat	tacagtgtac	660
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<210> 865
 <211> 388
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (388)
 <223> n equals a,t,g, or c

<400> 865						
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gctctcggtt	taggtcccat	ggcacgtggg	gctctggacc	tgcttgctc	caagacagct	180
cttccaaggt	tgagggttgg	aactccacag	cctcagcctc	ccaaagcttg	accaggccca	240
gccatagcta	gtctaggaaa	agagcaaatg	gccgtgtttt	tatattttga	cttttgcat	300
tcaatattaa	tttttttggt	aatgtaatgc	attcaaaaca	tggtccccc	ccccccaaa	360
aaaaaaaaaa	agggcggcct	taaaaggn				388

<210> 866

<220>
 <221> SITE
 <222> (833)
 <223> n equals a,t,g, or c

<400> 870
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 tcacattgac ctgctggctg aatacctcaa atagtccagt agagggcagt ccaccaggca 180
 gaaaagggtta ggcgttttgg ttccacatct ttgctgggga ataatagggg aaatggctgt 240
 ttttgctaatt ttttagctaa tatctagcca ggagagcaag cacataggac agactgaaag 300
 actgtaattt tacacaatac acatggctta attattttat tgggatacag aaaaatataa 360
 attctggaca aataagtcac atacctgttt tcagtcctaa catttaagga ttcttgagtc 420
 ccaatcacat aactgtgggtg ttactctgtc atttatatgg tgtcaaaagc acttgatgag 480
 taaacccagt aacatctttt tgagtgtttc cataatgcat tttccaactt gaaaacaata 540
 attgaaaaat agccttattg tatattttat gccatgacta aaagtgccat ttttactgat 600
 gctattagac tgataatttc ttgaagtga atttaacctt tttttctctt tagtattatg 660
 tttataatgc catattttta gaaagcattc cagatcaggc atgggtggctt acacctgtaa 720
 tcccagcact ttggaaggct gaggtgtggg gattgctgta agccacaagt ttgagaccag 780
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<210> 871
 <211> 1332
 <212> DNA
 <213> Homo sapiens

<400> 871
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 ccccttggtta ccccttctgc cttttttctc tgactatggg aatttggtct ttaggctcat 180
 atcagtcctcc ccgagacatt ctgcagtcac tatcaccttt ttgggtggat tttattttgt 240
 tttattttgt tttttttaa aaaataactt tttaacattg gtgcatattt gcttgggata 300
 gagcttgtgt aattttacca tcgtattgat tgtaagtgat tgtgccctgc agaggatat 360
 ttaacaagac aaaaataatc ttgggtaata aaggagccca tgagatttga gtcaggttgt 420
 aagtgaatc acttacactt ttggatagaa tttatactcc tgctcttata aatcagtggt 480
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 tgacagctga ttttttaatt gctgaatttt gtgaaatttt actttttcca agtgtttcca 660
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 aaaaaaaaaa aa 1332

<210> 872
 <211> 1978
 <212> DNA
 <213> Homo sapiens

<400> 872
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 agtatcccag ctcagtgagt gccatcactg atattaaaag gcttgatcat gatttaaaac 180
 atgctcacga actccgccag gctgcattca agctctatgc ctctcttgga gcaaatgatg 240

aagacatccg	gaagaaggtg	agtctgggag	aggggcgtcc	cccagtcctg	acagccagca	300
ggcagggagt	gacgtcaacc	tgaaagtcgt	ggtgaagagc	actaacagtg	actgtttgaa	360
tataataaag	cagagtgcact	aaaggcataa	ttgaagaatg	aatgggaccc	ggatttgggg	420
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aaaacttgta	ttcataatgt	gtataatttc	ctggtaaggc	taactcctga	tcgtttctgt	1920
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<210> 873
 <211> 626
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (617)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (618)
 <223> n equals a,t,g, or c

<400> 873	ccacgcgtcc	gcttcactag	gattgtctta	tcacctttat	tagataaatc	atgaagtgtc	60
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caataggcaa	gcgttatgtt	tttggttaagt	taactatgaa	agctttctta	tttttattat		480
taaaaatgta	acaatttaac	ccacaggaaa	aaaaattact	ttgtatgctt	gtttgaaccc		540
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aaaaaaaaaa	aaaaaannaa	aaaagg					626

<210> 874
 <211> 1882
 <212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1270)

<223> n equals a,t,g, or c

<400> 874

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aaaaaaaaaa	aagggcggcc	gc				1882

<210> 875

<211> 820

<212> DNA

<213> Homo sapiens

<400> 875

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<210> 876
 <211> 2485
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 876
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<210> 877
 <211> 1793
 <212> DNA
 <213> Homo sapiens

<400> 877

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<210> 878
 <211> 1005
 <212> DNA
 <213> Homo sapiens

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<210> 879
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 879

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<210> 884

<211> 1648

<212> DNA

<213> Homo sapiens

<400> 884

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<210> 885

<211> 1058

<212> DNA

<213> Homo sapiens

<400> 885

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<210> 886

<211> 1332

<212> DNA

<213> Homo sapiens

<400> 886

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<210> 887

<211> 2010

<212> DNA

<213> Homo sapiens

<400> 887

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<210> 893
 <211> 672
 <212> DNA
 <213> Homo sapiens

<400> 893						
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<210> 894
 <211> 1947
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1947)
 <223> n equals a,t,g, or c

<400> 894						
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<210> 904
 <211> 783
 <212> DNA
 <213> Homo sapiens

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<210> 905
 <211> 1900
 <212> DNA
 <213> Homo sapiens

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<210> 906

<211> 1900

<212> DNA

<213> Homo sapiens

<400> 906

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<210> 907

<211> 732

<212> DNA

<213> Homo sapiens

<400> 907

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2234

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<211> 1661
<212> DNA
<213> Homo sapiens

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<210> 919
<211> 533
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

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<212> DNA
<213> Homo sapiens
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<223> n equals a,t,g, or c
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<223> n equals a,t,g, or c
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<210> 923
 <211> 1080
 <212> DNA
 <213> Homo sapiens

<400> 923						
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<210> 924
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 <212> DNA
 <213> Homo sapiens

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<210> 925
 <211> 1164
 <212> DNA

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<210> 932
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 932						
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<210> 933
 <211> 1830
 <212> DNA
 <213> Homo sapiens

<400> 933						
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<210> 934

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<210> 938
 <211> 910
 <212> DNA
 <213> Homo sapiens

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<210> 939
 <211> 2894
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (103)
 <223> n equals a,t,g, or c

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 <221> SITE
 <222> (2876)
 <223> n equals a,t,g, or c

<400> 939						60
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<210> 944
 <211> 1200
 <212> DNA
 <213> Homo sapiens

<400> 944						
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<210> 945
 <211> 1295
 <212> DNA
 <213> Homo sapiens

<400> 945						
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<210> 950
 <211> 1581
 <212> DNA
 <213> Homo sapiens

<400> 950
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 <211> 1263
 <212> DNA
 <213> Homo sapiens

<400> 951
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gac 1263

<210> 952
<211> 1347
<212> DNA
<213> Homo sapiens

<400> 952
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tgtgaagcac agatgagctc ttccacactc caaggacaca gctcatccta tgcttttgga 180
cacttcttcc ctgttttatta caatgactat tctccagggt gttgcactac cgctgtatct 240
gtacataatt ctaacttggc acctgtggcc ttttttgtgc tcttatgtgt ctgtatttcc 300
cggcagagta tacgcccttg aatgccagga acttgtttcc ttagtctttt ttatataatct 360
agcatataag atattgctta gaatatggta gacatcactg aagatttggt tcagtagttc 420
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caaaattctt actcctatgt ctgtgtcatc ccagatgtgt gcttccagat ggcagtatac 600
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tggaatatatt gatgaaacga aattggcctt gataattgtt gaagctgggt gatggctaaa 1260
atgatgggtc attatatatg ttcactctta tttttgtatg tttggcctcg tgccgaattc 1320
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<210> 953
<211> 1277
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (150)
<223> n equals a,t,g, or c

<400> 953
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ctcaaaaaaa aaaaagaaag ctgtgtgctn aaatactatt ttaagcaatt ataattggatt 180
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tttgaaactc ttggattaaa tgactcttca gagctttctt tgctttttga tactaaggag 300
tgccatgtct ggggattttt atagcaaata attyctcctt ggctactatc cttagaattc 360
caagtgtttt taatgaaaag aggagacttg tttttagtga ttttagttgt ttttaggaaa 420
ggtgttctgc agtgtttttc gctaagggtg ctcacgcctg taatcccagc actttgggag 480
gccgaggtag gcagatcact tgaggttagg agtttgaggc cagcctggcc agcacagcaa 540
aaccttatct actgaaaata cacaaagtag ccagggtgtg tagtacactc ctggagtcct 600
agctactcag gaggtctagg caggagatga cttgaacccg ggaggcagag gttgcagtga 660
gcctagatcg cactattgca ttccagcctg gacgacagag tgagactgtc ttaaaaaaaa 720
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ctcttctgtg aagcagctct gagagcaatt ttgtgacatt gaaagagcaa aggataaaac 960
gttgaaagct gatccagatc tagaaaagtg tttggcaatt gctggaaaag gtgtagaaat 1020

<221> SITE
<222> (1176)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1181)
<223> n equals a,t,g, or c

<400> 964
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caggggctgt caccctgtca cagctgtgtg catgggcaac gcatcttagg agagtcaatg 120
gagagtggagc atccacagtt gactccctta aaaccagctc aggccacacc caccccaaga 180
agtctctgag gacatcttga gggatgcagg cccaatttaa aactcctgcc tacagcaagg 240
tgtctgtctt aataactaaca cactgcattc tatgggtctg gtaaacatct gccatctcca 300
ccccatggga gcttcttaag ggaaagcatt gagcttcctt ctttcattca ctccctcagt 360
cgatcagctg gtcagtcggt cagtcaccaa taactttggt ttttttaaca aatatgcctg 420
agtacccact gtgtactggg gcagatacag ctgaacaatc ctctaggaac tcacagggtt 480
ataagagaaa caggaaaaag tggaggaagt ggaaggaagc caaagcatcc atcctttcac 540
tttactgac cactgagtgg gtctcgctgg gtctcagtga aaagaaagcc gtttctactg 600
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gatccagcct cgtgccgaat tcgatatcaa gcttatcgta taccgtcgga cctcga 1856

<210> 965
<211> 1558
<212> DNA
<213> Homo sapiens

<400> 965
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tgtaaagtga tgaattgctc cacaaagtga tgaattgctc cgcaagcaac atgcagaaat 120
attgcacttt agtggtgtaa ctacttaca ttcttagatg atgttcatgt aataatagtt 180
catacatggt cactgtgcaa cacatgccaa atactcact tgtattattt gtaacttttt 240
tcccacaata ttttaggggt atatagatgg ctttgagact cagagaggcc aagaaaatat 300
tttgtgggtg aataactagt aaattggaaa gctggagttc agacttttgt ttacatgact 360
tcaaaaccca tctcttagtc tgtacctcat tggctctcag ggatctttct tagacacctc 420
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aatcccaat ctgcaaatcc ttgaccatgt accatcattc atgtagggtc tattctgatt 540
caggacctgc ttggagcctt ctctccaaact catatggcat tctcccatcc tgacaatctt 600
ccctgagtc tctgcaagtt gtagaatttc tcctccccct ctgctataag gcctgcata 660
aaaattggct gaggaatgtg cttggctctt ttcctaaaga ttataaaatg atcatgacct 720
tgtgaggcct taatgcccta cagagagaag ccctaaaaat ctaaactcaa ggaaaactgt 780

<210> 972
 <211> 1298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1265)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1292)
 <223> n equals a,t,g, or c

<400> 972
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 ccatggatca cttactgcat tctgtactct agcactgtgt atgcatcact ctctcctatg 180
 ccccgctccac cccaccacct ggtctccaga ctcagcagaa cagaggtgac tgattccttg 240
 gaggtagcac agaagggccc aaagtcctag atcctcaggg aaagaccaac tccaagtcca 300
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 ttcttctgac cttaaagatg ttgttctggt taggggtgtc aatgccc aaa tggagcatgg 420
 cctctctggt cacctcaaaa caatcctctt ctaagctcct ctctgggttg ggcagccagg 480
 agaaggcagc tcctcagga aggtgccact ggagcctctc gtcctcactg gtcctttgc 540
 aaatctgata gaagatgtgg aagtctctct cactggaasc ctggcaggcc actcgagttt 600
 tctctaggag gtaggtctgg actgcccgtc cagtcatttg ctgagccctg ttcagctgga 660
 gctggatgaa cttcccaaag cgactgctgt tgttattcct cagtgtacac gcattcccaa 720
 aagcttccat gacaggggtg gagttcagga tcctctgttc tatcctctct gcaatcttgt 780
 ggctctccca agatgcaggt gaggtggcca ccacagcata gaacttcatt aggcagcgag 840
 acgtccatgt ctgtggcaga aacagccctg tgggagctgt atctatgctc ccgcccactt 900
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 ataaacaata aaaccaaaagc atagaaattt aaaaattatt aaaaatcatg catctactca 1260
 atgacagggt cccattttata cccagcagct ctaacttttt tttccgagag gagctcatct 1298
 tgctnccagc tggagtgcac ggcacatctc antctctg

<210> 973
 <211> 1808
 <212> DNA
 <213> Homo sapiens

<400> 973
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 ttcaagtgtc aaccagcaga aatataatgc cagttctgca tctaatttta aatttcctaa 120
 tagccatgct aaaaaagtaa aaagaacagc ttgaaattaa ttttaataat gtatctcgcc 180
 caatatatcc aaactgttat ttcaacatgc aatttttgaa aaatgtgaga tgttttacat 240
 tctctttttt acacttagtc ttcaatatct ggtgtgtatt ttacacttct agcacctctc 300
 aattcacacc agccacattt aaaatgctca gtagccgcat gcagcttggt cagccttact 360
 taggtccagt gtcagcctgg ggcctgtctg gggagctgag ctgtgtccat gggggccctg 420
 gtgagcctcc agtgctgtgc tgagggtgaa ggcacccagc gcaagcccca gcgcagctgc 480
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tattctgtat	aggtaatgaa	cgattttcaa	aaatcttaga	tgaatcaatg	agataacagc	1140
caaacactca	ctcaactggc	atctactcaa	aaagctattg	gtttctcatg	attagctttg	1200
ccaaaccatc	tccctagatt	atTTTTcttt	ttaaatttca	ctttgcattt	ggttaatcat	1260
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tttaaagcag	gtattataaa	tatgcattcc	tttgccaatc	ttttaataga	aggacaggcc	1560
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tagatatttg	ccgagccatt	ctgaatatag	aaacttccta	gatcgcatat	cccttgatct	1740
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ccgtcgac						1808

<210> 974
 <211> 1349
 <212> DNA
 <213> Homo sapiens

<400> 974						
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gacaacttaa	cagtgattgc	ataaaciaaac	taacaagtaa	agagaaaact	gataaaaact	120
ctacacttta	acatcatgcc	cctactttta	actttttggt	gtttctactt	atatcttatt	180
tgtactatgt	cttgaanaagt	tgtaattatt	atTTTTgatc	agttcatctt	ttagtcttcc	240
cactcaagat	atgagtagct	tacacaccac	aattacagtg	ttttgatatt	ctgtcttttt	300
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cacatctgtg	tctctctggg	attagtcacc	gggtgacttat	ttagtccatt	tgggtgaggtc	1260
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<210> 975
 <211> 1953
 <212> DNA
 <213> Homo sapiens

<400> 975						
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acaggtccat	ttactttcat	ttacttgcta	tttgagattt	tgtctggcca	gacaactgag	180
cctcagataa	attattttct	tactaaattc	tggtaaatac	caataaaacc	ttgaatacaa	240
caaacatagg	acagtcagtt	ctgctataat	gattttttaa	atgggaattt	gtttcaatgc	300
aattaatata	ttgggaaaca	aatttagcat	arggcaaatt	tkgcawttat	ttgtgcacya	360
cttcatmtgc	tagaccaact	aggtgaattg	aggaacata	cacagctgag	ctgagtctca	420
taggaacaca	taaaacacac	acacacctct	caaggacaat	cagtggccca	gacctatgca	480

catctactat	tacccttytt	gtcmittccc	ccttyactgt	tattaatata	agctgcaagt	540
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acaattggct	caagtgggt	tgtacagaaa	gaactcttgt	attttcttat	tttccagtat	1500
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 <212> DNA
 <213> Homo sapiens

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 <211> 1302
 <212> DNA
 <213> Homo sapiens

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980-981

<212> DNA
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<400> 979

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<212> DNA
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<400> 980

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<212> DNA
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<400> 981

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 <212> DNA
 <213> Homo sapiens

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<213> Homo sapiens

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<211> 1216
<212> DNA
<213> Homo sapiens

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<210> 1004
 <211> 2310
 <212> DNA
 <213> Homo sapiens

<400> 1004

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 <211> 774
 <212> DNA
 <213> Homo sapiens

<400> 1005

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tataaatctc	tcatttttgt	tttgtaagtt	gacaggtcag	taaaaattta	ggcatatata	480
tttgtacata	tgtgtgtgta	tgtacatgtc	tatgtgccta	tatatgcatg	tttttatatc	540
taaatatcta	tttatatata	catacaaacg	tgttttattgt	ttaaatgatg	ttttaaatcc	600
cagttggaga	agcattttct	gtaacaaact	gattctttctg	tatcaaacct	ggaaaaaaat	660
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<210> 1006

<212> DNA

<400> 1006

<211> 849

<213> Homo sapiens

<400> 1007

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1008

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458

<210> 1014
<211> 1537
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1424)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1426)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1433)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1440)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1476)
<223> n equals a,t,g, or c

<400> 1014
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<210> 1015

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<211> 519
<212> DNA
<213> Homo sapiens
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<400> 1015						
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tcaactattt	ctaatgggac	ttttccattt	gcatgtacag	tacttgga	ctgctgggca	360
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```
<220>
<221> SITE
<222> (191)
<223> n equals a,t,g, or c
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<210> 1017
<211> 1908
<212> DNA
<213> Homo sapiens
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<210> 1022
<211> 138
<212> DNA
<213> Homo sapiens
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<400> 1022
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aatttgaaaa aaaaaaaaaa                                     138
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```
<210> 1023
<211> 1985
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (310)
<223> n equals a,t,g, or c
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<400> 1023						
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<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (393)
<223> n equals a,t,g, or c

<400> 1025

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<210> 1026
<211> 1126
<212> DNA
<213> Homo sapiens

<400> 1026

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aaaa						2764

<210> 1048

<211> 1019

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (833)

<223> n equals a,t,g, or c

<400> 1048

005003-0434

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aaatttaata	tcaatccatt	gacaggactc	tttgtgtact	gagctatata	gtaatttcac	180
cttaatagaa	gttcttcata	accaccccat	ataaaaccat	ccattccttat	ctcttttttt	240
tttctccata	ctgcttatca	cagctgacac	tttatactga	ccttggttcc	ccctctatac	300
cctttactcc	agattataaa	ttctgaggac	agggtctttc	tttcaactgt	ttatattccc	360
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tattgattgc	tgtattatag	tagtggtta	ggaagggtgc	atttccttaga	ttttcttttc	480
tgaccagcac	agttcttggg	ttgatggagt	atgtcctcaa	taaatctcag	catcaaataa	540
acaagaattt	tctttttaat	acataaattt	gtcattttgt	tacgcttttt	agtttcctca	600
gtgatttttt	agaataattc	ttgttcatga	atttgggatc	agtgaatatc	tacagttgga	660
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gcattcatta	ttgttttgtg	aaaatactag	ttaataatct	ccggttaatg	aaataattat	900
cttagataaa	tttactgaac	ttaatgtaga	atatgttttt	tgtttcgttt	tgtttttgag	960
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<210> 1049
 <211> 1279
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1188)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1224)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1278)
 <223> n equals a,t,g, or c

<400> 1049						
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attaactcat	atctctacag	ttaattttca	aacagatgtg	atagctgaat	gagaactttt	240
aagatagtac	tggacagtaa	ccttatttga	actggaatgg	ccttttagact	ttttgtgtcc	300
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gctctgctgt	gcagtggag	atttgggaca	agtacattat	ttaaaaatgc	ccaccacta	480
aatattacat	tcctaacttt	tcccaataca	caaatatgct	tgaactttta	aaagcttggt	540
tttggtcgtg	cttggttttg	aatgtgaatg	actaaaacta	ccttttagcaa	tttcccaaag	600
tgtaagttca	aatgtacaga	gaattttttt	cctgaatgcc	caacacaata	tgcagtttta	660
caacacatac	cagattctta	gattcatttg	gtgaagggaag	cctctgaatt	aaaactttta	720
aatattttctg	atttgcaacc	agacgaaaaa	gaagaaaatt	gacaactttt	ttgatgcaac	780
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cagttagaat	ggtgatcact	aaaaagtcag	gaaaggccag	gggcggtgac	tcatgcctgt	1140
aatcccagca	ctttggggagg	ctgaggcggg	tgggatcacc	tggaggtnca	ggagtacaag	1200
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gtggtggcgg	gcactgtna					1279

<210> 1050
 <211> 724
 <212> DNA
 <213> Homo sapiens

<400> 1050
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 taaaatggaa atgatgaccc ctgggtctcc caggaccgtg aggggtcctg aaagggcagg 180
 tgtgcgcggt gctttgtaga tgataaggca tctcagaaac accggggctt tactgttatt 240
 ttctctccag cttgtttggg cagacaaaag agaaatcgag cccagtcatt cttagcacag 300
 ccaagaaggg cagatttcaa aaggagcctt gcttcaaact gaggaaaacc aaaaaggaaa 360
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 tgggctctgc cagcggctca ccccagact cctgcaccag ctggccttcc tgacctgtgt 480
 gccctgggag ccaggccgac tcttcacact tccagtcacc gacacagtgc aatgcaacct 540
 attcttgctc aaggcctcct tagaaattat tcctccatt gctcgaacct gggagttgga 600
 gattgcagtg agccacgatg gtgccactcc actctagcct ggggtgacaca gtgagacctt 660
 gcctcaaaaa aaagaaaaga aaaggagggg gaggggaaggg aaaattaaaa aaaaaaaaaa 720
 aaaa 724

<210> 1051
 <211> 859
 <212> DNA
 <213> Homo sapiens

<400> 1051
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 gagtgagact ctgtctcaaa aaacaaaaac aaaaacaaaa tttaaaaata aattgaagta 120
 gggtagacga ttttaaaagtc ccattatcaa cacattcaac tcagaatagt taatgtaacc 180
 tgaatttaat tacctttgat ttttaatttag gaatgaattt tttaaaatgc atataaccag 240
 ctgagggtct gtgcttcatc atctccctgg cttttttttt gtgctaattt ttctctttac 300
 tacttttatg agtaccagaa aattatccaa agctaagaga agaaataaaa cactgttttt 360
 gctccttatt aataatttgc ttctaagttt ttgttagaga gtaggtaaaa acgtttggca 420
 aagtagattg ctcatagagt ttagctatcc atgctttgtt tttaccttta gtttagtttt 480
 atggcagggg aataggactt gttgaaggga gtgggaaaga agggatgcag gtcttcataa 540
 taaggaatgt cggccaggcg cagtatctca cacctgtaac cccagcactt tgggaggcca 600
 aggcaggcag atcactaggt caggagttcg agaccagcct ggccagcatg gtgaaactcc 660
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 cacttaggag gctgaggcgg gagaattgct tgaaccagg aggcagaggt tgcagcgcgc 780
 tgagattgtg gcactgcact ccatccagcc tgggtgacag agcgagactc tgtctcaaaa 840
 gaaaaaaaaa aaaaaaaaaa 859

<210> 1052
 <211> 1932
 <212> DNA
 <213> Homo sapiens

<400> 1052
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 caccacatgg agagaccagg tggaggtaat tgaatctggg ggtgggttca cccatgctgt 180
 tcttggtgata gtgaatgagt tctcacgaga tctaattggt ttatgagggg ctcttcccag 240
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 ccttctccta taattgtaag tttcctgagg ccttcccagc catgctgaac ttcaagtcaa 360
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 tggactaatg aagttcccat ttatgaattt ttgcttttgt tgcaattgct tttgacatct 480
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 ggtttttcta attttgtgtt ttgcatttaa gtgtttaatc catcttgagt tgatttttgt 600
 atattgtgta tggaaagggg ccagtttcaa tcttttgcac atggctagtt agttatccca 660
 gtaccattta ttgaaaagac agtcttttcc ccattgctcg tttttgtcag ttttattgat 720

taaggtgtcc	ctcggatctg	tcctcttcgt	gtacacagtt	gtttctgaaa	atthttcaatg	360
agctttttct	aactttctcaa	gttctagaga	aagaattaac	caactgatga	cttaaaaaaa	420
aaaaaaaaaa	aaaaaaaa					438

<210> 1060
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 1060						
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gggaaaagcg	cctctgccag	agtccaggcc	ttgggatgac	agacagcttg	cccgcacact	180
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cgtgggggacg	gggctggcct	tgggaggagc	ggcaggggca	tcacctcctt	ctgctgcttc	300
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<210> 1061
 <211> 542
 <212> DNA
 <213> Homo sapiens

<400> 1061						
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gcacataata	gaatttatga	gcatttttcag	tgttttgatt	tttttcccca	gtcactgtta	180
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ttttatataa	atagacaagt	agggtgatat	tttctttggt	ctcgtgccga	ccctagtaac	420
aaaagtctct	cagttaccca	gggcacctgg	gagagagtga	gggaacagtt	ctgttcagtg	480
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aa						542

<210> 1062
 <211> 1060
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1060)
 <223> n equals a,t,g, or c

<400> 1062						
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aagaggggag	actggagtga	aagtgaactc	tgcttttgcc	ctcactgaag	ccaaaccaca	120
gaagactttg	aggaatgaga	gacaaatgag	gtagagctca	cctgtgctca	ccagctccgt	180
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gtcgggggtg	agatgccata	ttgattacag	ggcagcaaag	aaccagtacc	aggaatttac	300
ttgaccattc	cccttatttt	tcattctagag	gaatctcggg	ttcagccctt	tcattgctaa	360
gacacctttt	cactgaggtt	cttaccagct	cagccaaatc	tccactctgc	tatagcagaa	420
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tttttttttaa	gcagtaagtt	tatagaaaat	gttttctatt	aatggaaggc	tggggaatgt	660
ccagcatcaa	cccctatggc	atgcattccc	agtggccttc	tcactctggg	ctggaacctt	720
tggttcaggg	cttaggggag	aacaggccac	atggcaacag	ccacacagtc	attgccttca	780
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<221> SITE
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1279)
<223> n equals a,t,g, or c

<400> 1066
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cagacttagt atgccacaca cagacacaca cacaccggaa acaaagtttt atgtaaaaat 180
atTTTTgtct actgcttact ttaaaaagca gtttccttac gatatgatac gactgtgat 240
atTTTccact ctattccttt attcagtgcc aggcatgacc tactccatag atttcatgac 300
ccactaatgg gctgcagtgt gaggtttgaa acctckgccc agaggcagat tctgcatgct 360
tatttagagg aatgtctgtc tagacgagag agattcatag aaaggagatc atttatggga 420
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attaccagg cagranctgt atcttcaa atgcctgtggg tctgctgaca agccctacag 540
gtgccccaaa gccatgtgca gagytaagca ccccatTTTT ctcataactt gaccctctctg 600
cctgragctc tactcccgtc cctctggccc tctctgtgtc tgcctccca aatcgcccca 660
gctaaaaatg ttggcagtc cttccatacc tgtctttctt attctgcaca tccgctcatc 720
tcaagggact attgattctg cctctaaaat tgctgccagc tctgtgtcat cttttccatt 780
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tggtgtgaac ccgggaagcg gagcttgagc tgagccgaga ttgcgccact gcagtcgcga 1440
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ag 1502

<210> 1067
<211> 814
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (504)
<223> n equals a,t,g, or c

<400> 1067
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tcagctgctg ttatgtacca aagggtatag gaacccttcc cagtcttcct gagctgctcc 120
tagtccttat ttagttcggt ttttatacca atatagctct tcttcctcct tgtcctcttc 180
gtccatcacc acttcgtgtt tttaggctta ctgcaaatcc caactttctt gttcttgttt 240
tggtattgca agcttgccgg ctggctccat tggtcactc attatcctct ccatcacatt 300
cttttcttca ctactactg agtgatgcat atgtctgtgt ttgtctgtct ctccataatt 360
agatttgatt aacctgtatc cccagtgcc tggcatatag tatttggtta gtaaatatt 420
ggataaattc agaattgatc ccttttttgc cttctgtgct ttattctcca ttatgttatn 480

cccaccttgt	gctattgaaa	aaanggaact	tcaggtcagg	tgcagtaact	catgcctgta	540
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gcctgggcaa	catggcgaaa	ccccatctct	acaaaaaata	caaggattag	ctgggcatgg	660
tggcatgtgt	ctgcggtctc	agctgaggca	ggaggatttc	tccagcccag	gaggtcaagg	720
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ctcaaaagca	aaaaaaaaaa	aaaaaaaaact	cgag			814

<210> 1068
 <211> 1303
 <212> DNA
 <213> Homo sapiens

<400> 1068						
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taaacagacc	tgacctactc	ttgtgccaat	ctctgagttt	cagccaatca	caggcagcca	120
actgtttaat	ccctgttcaa	ataaggtaaa	tgccaagctg	taaccaaccc	agctgtttct	180
gtacctcact	tccattttct	gtacatcatt	ttccttttta	tgtccataaa	tcttgtctat	240
gtggcagctc	cagagaatct	ctggacctat	tttgattcag	gggctgctca	acttatgaat	300
cactgttcaa	ttaaactcca	tcgatttaat	ttgtctaaag	ttgttctttt	aacaccagaa	360
taatgtatat	cataatctcc	ctcactctaa	tcatgtggag	attcagattt	tttcagctaa	420
tgaggctcca	accctgtctt	tgtttaaaaa	aaatgaaaaa	acaaaacaaa	accatgtcct	480
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taataagagg	ttaacagaca	ttatatgcta	gcctcacatg	aatattacct	cctgatacct	600
ataataatat	gaataatata	gagttatggg	taaggaacag	acaacttatt	ttacattctt	660
gtcttttctc	ctccttttcc	ttttcaatct	tgccagcaaa	tcttgccatt	taaaatttta	720
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gtctcaatac	tggctttata	ctctacctct	cgtcttttcc	tgttccatct	cctatcatcc	1200
tttttttaaa	gggagcatgt	ggaagtgaag	ggacacggcg	gagccagaac	aagagtgact	1260
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<210> 1069
 <211> 1522
 <212> DNA
 <213> Homo sapiens

<400> 1069						
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cttccatttc	aaaggcttcg	ccagcgaatc	ccgtgagtca	ttcctggaac	cttcaggagt	120
ctccatgggtg	atgggggtga	gtgggcctgg	gggaagccag	cattcactcc	acttcctaac	180
aagttcctct	tttctgattt	ttttttcttt	tttttcaata	gagactgggg	ctgaggcttg	240
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catataaaaac	aacaaagcac	aacaaaaact	gtgcatttgc	tttctttttt	tttttttctt	420
ttcctgcaag	tgttttcaga	agggatctgg	ttttcttgtt	ttcctcagt	aaaagatgaa	480
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 <212> DNA
 <213> Homo sapiens

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2608

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<212> DNA
<213> Homo sapiens

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<212> DNA
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<223> n equals a,t,g, or c

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 <212> DNA
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 <211> 1392
 <212> DNA
 <213> Homo sapiens

<400> 1085						
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<210> 1086
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 <212> DNA
 <213> Homo sapiens

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<210> 1087

<211> 2107

<212> DNA

<213> Homo sapiens

<400> 1087

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<210> 1088

<211> 1174

<212> DNA

<213> Homo sapiens

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<210> 1093
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (506)
 <223> n equals a,t,g, or c

<400> 1093						
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 <211> 910
 <212> DNA
 <213> Homo sapiens

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<211> 1287
 <212> DNA
 <213> Homo sapiens

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<210> 1104
 <211> 1290
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1279)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1284)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1286)
 <223> n equals a,t,g, or c

<400> 1104
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 gccatgtctg ccatgggtcc agaaatggga aagggaattg ctgtccttgc cctgtggtat 180
 gctgccacct ctttgggaag caggccttgc ccctgtccca ccaactcatc tcagctttga 240
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 ctgggggaat cctccctatg ccttaaaact gccgagcccc actccatgta ataggattcc 540
 tgggcttccct caatgggggt tcatgttctt ggactgcggg ccctcagtc ttaactggaa 600
 agtgaccgtc cactgcccc tggagcccat ctggacacag cacagcccca aaaccgttag 660
 cagctggctc tgtttccaag cctggggagg ggttcctcag tgcaggagtt ggggacaggc 720

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ggcgccctcc	ctctggcccc	ggggccctct	gtggaccttg	gctccctccg	tggacctggg	2100
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tgctgttctt	ttgacaattt	aagtgtattg	tttgtttact	gtaagtttga	aaataaaaaa	2280
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<210> 1113
 <211> 2913
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2288)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2753)
 <223> n equals a,t,g, or c

<400> 1113						
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ctcttagcca	taatgttttt	atgtccacca	gtcctgcact	tcattgggta	tcattgtacag	420
cagcaactcc	gaagatagca	aaattgaata	gaaaacgatc	cagatcagag	agtgcagctg	480
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ctcctgtgac	agtgaacgg	gagagcaaaa	tttctcttca	acctatagca	actgttccca	600
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gcttagattg	tatatgtcgt	grctggsaaa	acycctatat	ggccaatggg	gagaagaagc	960
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aaataacatt	aacctcattg	tttatggcca	tgctttgtgc	ataatcaaag	tttatgatta	1500
aatgtaagga	agtggtatct	agtcagtgca	taaagattgt	gctaattttt	ttgtggaaaa	1560
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<210> 1114
 <211> 424
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (409)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (416)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (417)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (421)
 <223> n equals a,t,g, or c

<400> 1114

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cagtgtctct	tctcttcagc	tatgactggg	gagtagatga	ccgtgcttgt	ttctgacaca	180
cagcacagtg	tcctctctgt	acacaagctg	gtggttcaag	ggccaatggg	tccagagaga	240
tagtggttcc	cttccttccc	tcctcaccaa	taggcagcct	caggcctttt	ctgtgtataa	300
ctgtgtatat	agacataaaa	acctacaaat	gtgaaataaa	tctatgctat	ctttcatagt	360
gttaccacaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaang	gggggnnccc	420
ntta						424

<210> 1115
 <211> 1844
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1699)
 <223> n equals a,t,g, or c

<400> 1115						
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accgtgcgca	tgcagcaggt	ggagctggcc	ttggggcgccg	gcctggattc	gtctgagcag	180
gctgacctgc	gccagctgca	gggggacctg	aaggagctca	tcgagctcac	cgaggccagc	240
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gacctgagct	ccctgcaggc	cggctctgcg	tgtctggcca	agcaccagga	tggcctctgg	780
macgcagcac	gcatcaccga	tgtggacaac	ggctactaca	cagtcaagtt	tgactcgctg	840
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<210> 1116
 <211> 2124
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (76)
 <223> n equals a,t,g, or c

<400> 1116
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 gacaggtttc ccgactggaa agcgggcagt gagcgcaacg caattaatgt gagttagctc 180
 actcattagg caccaccaggc tttacacttt atgcttcagg ctcgatgtt gtgtggaatt 240
 gtgagcggat aacaattttca cacaggaaac agctatgacc atgattacgc caagctctaa 300
 tacgactcac tatagggaac gctggtagcg ctgcaggtag cgggtccggaa tccccgggtc 360
 gaccacgcg tccgagttaa tagacacttg aattgttttc ggtttttggc aattaggaat 420
 aaagccactg ttaacattca catataagtc tttgtgtggg tgtgtatttt cttacttctt 480
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 tactgcatcc catgaatttt gatatgtaat ttttattatc acttagttca aaatatttcc 1560
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 aacttatttt atgggttagtc tattctcaca ctgctataaa gaactgcctg arcgtgggta 1800
 aatttacaaa gaaaagaggt ttaattgact caaggkktaa ttgactcaag gttctgcatg 1860
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 gatctgggtg gaattcactc actatcacga gaaggcttag aagaaaaccc caciaacccc 2040
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 aaaaaaaaaa aaaaaaaaaa aaaa 2124

<210> 1117
 <211> 2312
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (239)
 <223> n equals a,t,g, or c

<400> 1117
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 gagggcgctt gccgaacccg ggacttcgtg gtaggagcgc ttatcctgcg ctcatcgga 120
 tggaccggag cgacatctac gcggtcatcc agatccccgg cagccgcgaa ttcgacgtga 180
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 ggaggactgc tgggagaact ttgtgtgtgt ggggcggaca agtccagctt gaagacgctc 300
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<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1885)
<223> n equals a,t,g, or c

<400> 1119

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caacacaggt	ctgggaggga	tccctgtagc	aggatttcca	gcgtcttcag	gaaacagttt	180
agactctctt	caagatgaca	atcctccaca	ctggctaata	tcccttcagg	ccctcacaga	240
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gcatttgagt	gacactgttg	aatgtttcta	aaaatgcctt	tttaaggaga	gaaaaaaaaa	720
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gcagtgggtc	tagcatccat	cttgtattca	gcttatcatt	attgcaggga	aaatgctttt	960
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cgatttgctaa	agagttcata	aggaggtgag	aagtaatttt	tttaaaggag	aaaaattttt	1140
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<210> 1122
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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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<220>
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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (28)


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<210> 1127
<211> 1232
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (22)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (1227)
<223> n equals a,t,g, or c

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<210> 1132
<211> 587
<212> DNA
<213> Homo sapiens
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<211> 1069
<212> DNA
<213> Homo sapiens
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<400>	1133						
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<210> 1135
 <211> 603
 <212> DNA
 <213> Homo sapiens

<400> 1135						
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<210> 1136
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 1136						
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<210> 1137
 <211> 2968
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (454)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
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<220>
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 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (2964)
 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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<210> 1139
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<212> DNA
<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<210> 1149
<211> 808
<212> DNA
<213> Homo sapiens

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<221> SITE
<222> (794)
<223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 1154
 <211> 1417
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (551)
 <223> n equals a,t,g, or c

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<210> 1167
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<212> DNA
<213> Homo sapiens

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<400> 1167
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agcttaaat	tttcgttaaa	tatttttagtt	tattttattg	ttatcttcca	ggtgtctaaa	1920
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<210> 1168
 <211> 1825
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (270)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (814)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1816)
 <223> n equals a,t,g, or c

<220>
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 <222> (1825)
 <223> n equals a,t,g, or c

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<210> 1171
 <211> 1468
 <212> DNA
 <213> Homo sapiens

<400> 1171						
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<210> 1172
 <211> 1176
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (639)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (700)
 <223> n equals a,t,g, or c

<400> 1172						
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cataatcagg	tgccccaaag	gactgaacaa	ggaagaatgg	gagggcactc	tagactaatt	240
aagggttgtc	tttcagtcta	aagttaacaa	tgacacacat	gaattttcat	atcagtataa	300
ttagatgcgg	gtcccatcta	attacagtgg	gtcattatgg	ctgttcgggt	agagcagctt	360
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<212> DNA
<213> Homo sapiens

<400> 1178
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ataaaagtgt gagaaaaaag aggatgggtt attttaaact ctactgactt ggttgacttt 180
tacttgatat gtgctatctg aaaaaatgga caatggccac tccctcattt ctttttttct 240
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tccttttctat ttttcttcat taagcaagtg ccatcaaggc cagcagtacc catattatat 480
gtccagagaa gagccaggcc agatgggaac tgcgtgaaag caaccagtta tcttgctaatt 540
tatgccagct agaaccagtt gtattgcatt aaaaaatgtg gaatccaaca acttagctgt 600
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<210> 1179
<211> 1907
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> n equals a,t,g, or c

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gcacatttac	cagaagcctc	tggggttgtg	tgtgaccatg	cctcgaataa	agcccatggt	540
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<210> 1180
 <211> 1639
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1623)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1624)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1625)
 <223> n equals a,t,g, or c

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taaacactcc	ccatgctccc	tgctttgtgc	ttgaacgact	tgatgacaag	ggcagagcaa	180
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<210> 1186
 <211> 2702
 <212> DNA
 <213> Homo sapiens

<400> 1186						60
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agatgtttaa	atctcaagaa	aatttcacag	agctaaagaa	atgatgtcaa	attagtcaca	240
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cagtagtacc	aaaggatcct	tttacaaggc	ttcctgtggt	attgactctg	agaataaacac	480
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<210> 1205
<211> 1003

<212> DNA
<213> Homo sapiens

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<210> 1206
<211> 1692
<212> DNA
<213> Homo sapiens

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<210> 1207
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<210> 1209
 <211> 766
 <212> DNA
 <213> Homo sapiens

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<210> 1210
 <211> 3237
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<220>
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 <222> (32)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

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<210> 1211
 <211> 2070
 <212> DNA
 <213> Homo sapiens

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tacaggcact	ggtacttttt	tttcatgttt	tgtgtttag	ttgcatttta	ctagagcagc	540
tgacaccatt	cctatgtggg	ctgattttgt	agttcaaaga	ccaaaaccaa	ataaaaagat	600
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<223> n equals a,t,g, or c

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<210> 1214
 <211> 1147
 <212> DNA
 <213> Homo sapiens

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actcgag

<210> 1215
 <211> 998
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (358)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (481)
 <223> n equals a,t,g, or c

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<210> 1216
 <211> 810
 <212> DNA
 <213> Homo sapiens

<400> 1216
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<210> 1217
 <211> 436
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

<400> 1222						
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<210> 1228
 <211> 787
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

<400> 1228						
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<210> 1229
 <211> 799
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (11)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (779)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (793)

<223> n equals a,t,g, or c

<400> 1229							
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<210> 1230

<211> 1726

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1695)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1707)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1710)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1724)

<223> n equals a,t,g, or c

<400> 1230							
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atctcttcaa	catattgact	tcattttttg	gggatataata	cctagtagtt	ggttttatat	1980
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<210> 1240
 <211> 2054
 <212> DNA
 <213> Homo sapiens

<400> 1240						
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<210> 1241
 <211> 4038
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1764)
 <223> n equals a,t,g, or c

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<210> 1242
 <211> 1674
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (474)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (505)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (511)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (606)
 <223> n equals a,t,g, or c

<400> 1242						
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aatcagctta	taaataaaag	agcactcata	aattaaataa	aaaaaaaaaa	aaaaaaactc	840
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<210> 1244
 <211> 1134
 <212> DNA
 <213> Homo sapiens

<400> 1244						
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 <212> DNA
 <213> Homo sapiens

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<210> 1248
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<212> DNA
<213> Homo sapiens

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<220>
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<222> (423)
<223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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 <222> (72)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (303)
 <223> n equals a,t,g, or c

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<210> 1254
<211> 2556
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (72)
<223> n equals a,t,g, or c
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```
<220>
<221> SITE
<222> (141)
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (294)  
<223> n equals a,t,g, or c
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<220>
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<223> n equals a,t,g, or c
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<211> 2127
<212> DNA
<213> Homo sapiens
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<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (141)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (294)
<223> n equals a,t,g, or c
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<220>
<221> SITE
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[illegible]

<223> n equals a,t,g, or c

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739

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<211> 1105
<212> DNA
<213> Homo sapiens
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[illegible]

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<210> 1259
<211> 3045
<212> DNA
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (128)  
<223> n equals a,t,g, or c
```

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<220>
<221> SITE
<222> (141)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (739)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (770)
<223> n equals a,t,g, or c
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ttctgctagc	caatattaaa	agagacctgc	aataaaaaaa	ttaccctgat	ctgatagaaa		240
gcaagtgttt	ttgtatgtgt	gggtgaatgt	gtgttcatgc	ccgtatatgt	ctacacacag		300
atgacaaatt	atatttgaaa	tcgttgaaaa	ataaaattcg	atcaaaatgc	ctttcaggcc		360
cattacctag	aaatctatct	taaaacctgg	gtatgttcct	aaggtcattt	ctttgcttat		420
gctaaattaa	ttacaatttat	gaatggagga	tattctactg	tactttttta	aaaagaaact		480
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aagctgtaaa	ttactatgag	tgattttattt	ctactatata	catatatatt	ttttgtcttt	1200
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<210> 1260
<211> 880
<212> DNA
<213> Homo sapiens
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<400>	1260						
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ccaattggtg	caagggtctc	tcaaaatgcc	atgggtcccc	aggtcattgt	gataaacact		660
gtccccatcc	tgcttgggtt	gtggctggaa	gggtccctcaa	ggagtagact	gtccctgaga		720
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<220>
 <221> SITE
 <222> (720)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (735)
 <223> n equals a,t,g, or c

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 caagacattt catataaatg gaatcatagc atatgtggct ctttgtgact ggtgtctctc 180
 acttaacata gcgtttttta gatccatcca tgtgttagca tgtatcagta ctacattcca 240
 cttcattgtt taataataat aataataata gttcattgta tgggaatacc acgtttgtga 300
 ctggcttctc tcaacttagca tagtggtttt aagatccatc catattgtag cattatcagt 360
 atacattcca cttcattgtt tgaataataa taataactta ttgtgtgggt ataccacatt 420
 tatccattta tcagttgatg gatatttgag ctgtttccac ttttttagcaa ttatgaataa 480
 tgcctcatct aacactttga ttatactttt tattatcata tgtgtggctt cagggtttttg 540
 tttgggttgg tgggttttggc tgtgtctgtt tttatcactt gattataaac ttctggaaaa 600
 agatcattat tttcactctg aaatttccat acagcaagta ttcaataagt gtttggcaga 660
 tggatgaatg ggcagatatt ataggttctt accatgttga ttatgaagaa gtacaaagtn 720
 ttcagaataa aaacnctaag cacagtaata aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 816

<210> 1264
 <211> 1232
 <212> DNA
 <213> Homo sapiens

<400> 1264
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 aacttcaggc agatggcaag agctgcaacc ggtgccgga aggccacgtg gacctgttc 180
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 agttctcgag ccgctgctgc accgagttcc ctctgggtcg ctacggcacc gcagccgagg 360
 tgaagcaggc ggtcctggcc gtggagtaca tggaaacgcg caccatgaca gggctggcgt 420
 tgcggcacat ggtggagcac agcttctcca aggcgcaggg tgcacggccc cgtgccctta 480
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 gggcagcgcg cgccaaggag gaaggcatcg tcatgtacgc cgtgggctgt ggcaaggcgg 600
 tggaggcgga gctgcgcgag atcgctcgg agccagcgga actgcacgtg tcctatgcc 660
 cggacttcgg caccatgacg cacctgctgg agaacctcag aagcagcatc tgtccagagg 720
 agggcatcag cgcagggaca gagcttcgga gcccatgcga atgcgaaagc ctctgaggat 780
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1232

<210> 1265
 <211> 854
 <212> DNA
 <213> Homo sapiens

<400> 1265
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<210> 1269
 <211> 774
 <212> DNA
 <213> Homo sapiens

<400> 1269
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 ttaattatct tggtcttcgt ccaagagtca agtagtaggc atgagtacac tttttacatg 180
 gcttatgggt ttacgttata ttctaccaa cagctgtttt gtacttaata ggcctagttt 240
 ctgtaaccca tttggaactt ccccatcag ctgtcgaaag gcttcaagtt gagaaacact 300
 gcactgtggc ttcttcaaat ggcttttctt tttttgagat aggggtctca tgtcaccag 360
 gctggagtgc agtgggtgcc tcatggctca ctgcagcctc gacttcctgg gctcaagcca 420
 tccccctatc tctcagcctc ccaagtagct gggactacag ctgcgcccac tgcacctagc 480
 taaattttat attttttggg gagacggggt tttgccatgt tgctcaggct gatctttaac 540
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 accaccacgc caacctcaaa tggctttcct ttaaaatttc ttgagcctag tccgaagata 660
 gtgagttatc tcagttgatt gttcacagtc agttacagat tgaactcctt gttccactct 720
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<210> 1270
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 1270
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 ccaaccagaa ccggggacca gtactcagca tagaccctcc tgtgcatgaa gtcgaacagg 120
 gcattgatgc caaatgggtca ctggcactgg gctgcctct gccactgggg gagcacgcag 180
 gccgtatcta tttgtgcgac attggcattc cccagcaggt cttccaggag gtgggcatca 240
 actaccactc gccctttggc tgcaagtttg ttatccact gcactctgct tagagggttc 300
 ctgcgcaggc aggactctgc tgtcccctgc tgctcctgat aacaaacgcc ttaaggatat 360
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<210> 1271
 <211> 779
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (709)
 <223> n equals a,t,g, or c

<400> 1271
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 ccaggcccag ccgaatcctg ctgaagttaa ggatgtattc ctgggtgcctc tggcctatct 180
 cctgcatcca cagggtccatg accagcatta cgtcacacgt cttgggtcacc gttttattaa 240
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 ggcaaacctt gcagtgttg tggcctttat cattttggaa aaaaaaccca cctttgaggt 360
 tcaatttaat cttaatgatg tattagcatc ctctgaagag ttattcctga aggttcataa 420
 aaaagctaca agcagggttat gatttactag agcaagagac aaagaactat tcacgaggat 480
 tctgtgtgtg cttattcgtg gaacaacaac aatgccagct gttggaattt gacagggtgtg 540
 aatatttttt ctgcagtatg tagttagaat ccttgcttct tttccagttg ccttctattg 600
 tctgaaaaag taaaagccat tcaaaaatga aaactatgtt catagtgttg catattttca 660
 cccacaatat gttaataata tttttcttac acatataata aagaatatnt ggcacatact 720
 aggcccttaa taaagatttt ttgaatataa aaaaaaaaaa aaaaaaaag ggcggccgc 779

<210> 1272
 <211> 638


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ttatgcagaa atttgcattt tgtacctcaa tattttctacg tcatgtgcct tagtaaaaaa 1620
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c 1681

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<210> 1276
 <211> 678
 <212> DNA
 <213> Homo sapiens

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<400> 1276
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atcccagcta cttgggaagc tgaggcacia aaattgcttg aaccaagaa gcggaagtgt 600
caattgaaat catgccactg cactccaacc cgatgacaga acaagacctt tctcaaaaaa 660
aaaaaaaaa aaaaaaaa 678

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<210> 1277
 <211> 610
 <212> DNA
 <213> Homo sapiens

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<400> 1277
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<210> 1278
 <211> 1264
 <212> DNA
 <213> Homo sapiens

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<400> 1278
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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

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921

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<211> 1059
<212> DNA
<213> Homo sapiens

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<211> 590
<212> DNA
<213> Homo sapiens

<400> 1285
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<210> 1286
<211> 965
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (643)
<223> n equals a,t,g, or c

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 <211> 656
 <212> DNA
 <213> Homo sapiens

<400> 1289						
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<210> 1290
 <211> 927
 <212> DNA
 <213> Homo sapiens

<400> 1290						
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<210> 1291
 <211> 1635
 <212> DNA
 <213> Homo sapiens

<400> 1291						
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 <212> DNA
 <213> Homo sapiens

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 <221> SITE
 <222> (1038)
 <223> n equals a,t,g, or c

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<210> 1297
 <211> 1006
 <212> DNA
 <213> Homo sapiens

<400> 1297						60
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 <212> DNA
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<210> 1299

<211> 676

<212> DNA

<213> Homo sapiens

<400> 1299

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<210> 1300

<211> 1061

<212> DNA

<213> Homo sapiens

<400> 1300

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 <223> n equals a,t,g, or c

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<213> Homo sapiens

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<210> 1306

<211> 1421

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1267)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1297)

<223> n equals a,t,g, or c

<400> 1306

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 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

<400> 1343						
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<210> 1344

<211> 1984

<212> DNA

<213> Homo sapiens

<400> 1344

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<211> 789

<212> DNA

<213> Homo sapiens

<220>

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995003-01204

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<220>
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ggcggccgcg 789

<210> 1346
<211> 354
<212> DNA
<213> Homo sapiens

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<210> 1347
<211> 1487
<212> DNA
<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 1352
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<210> 1353
 <211> 668
 <212> DNA
 <213> Homo sapiens

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<210> 1354
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 1354
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<220>
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<223> n equals a,t,g, or c

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<210> 1357
<211> 722
<212> DNA
<213> Homo sapiens

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<222> (665)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (719)
<223> n equals a,t,g, or c

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<210> 1362
 <211> 868
 <212> DNA
 <213> Homo sapiens

<400> 1362						
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <222> (761)
 <223> n equals a,t,g, or c

<220>
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 <222> (770)
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 <211> 1444
 <212> DNA
 <213> Homo sapiens

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 <211> 1892
 <212> DNA
 <213> Homo sapiens

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 <211> 2509
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE
 <222> (617)
 <223> n equals a,t,g, or c

<400> 1370

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 <213> Homo sapiens

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 <222> (247)
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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2024)

<223> n equals a,t,g, or c

<400> 1371

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<211> 1322

<212> DNA

<213> Homo sapiens

<400> 1372

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<220>
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 <222> (2799)
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 <212> DNA
 <213> Homo sapiens

<400> 1376						
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<210> 1377
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 <212> DNA
 <213> Homo sapiens

<400> 1377						
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<213> Homo sapiens

<400> 1382

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<211> 582

<212> DNA

<213> Homo sapiens

<400> 1383

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<210> 1410

<211> 3052

<212> DNA

<213> Homo sapiens

<220>

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<222> (2994)

<223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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 <211> 1896
 <212> DNA
 <213> Homo sapiens

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 <212> DNA

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<210> 1418
 <211> 917
 <212> DNA
 <213> Homo sapiens

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 <211> 1014
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (820)
 <223> n equals a,t,g, or c

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<210> 1420
 <211> 1720
 <212> DNA
 <213> Homo sapiens

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<210> 1421
<211> 1730
<212> DNA
<213> Homo sapiens

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<221> SITE
<222> (455)
<223> n equals a,t,g, or c

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tgagccatga	ttacaccact	gcacttcagc	ctgggcagca	gagtaagacc	ctgtctcaaa	1680
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<210> 1422
 <211> 2018
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (672)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1609)
 <223> n equals a,t,g, or c

<400> 1422						
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ctatatactg	gcagaatatt	tgaacaactc	tagcaagaaa	tgtcagttta	gggatgcctc	180
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ttaacagctg	cataaatatt	ataaagaaat	aggttttctt	tgacacttag	atttaacctt	1860
aatgcatctg	cccagctgat	ggtatcagac	gtgctgtgtg	tcattttctt	ttcatggtaa	1920
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcggcc

2018

<210> 1423
<211> 1020
<212> DNA
<213> Homo sapiens

<400> 1423
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attgggtgga aatggccatt gaacatcata ctctactaac aaagaccatt tgagagttag 180
attaatctct ttcctgtttc aacaacagga agaagcccca caaatcaagt atttcccttg 240
ttctatacct tgtcattttg ttgctactcc caccagccaa agaggggagga aagtttcttg 300
gtataattaa aatggttatag gctgggtcgg gggggctcat gcctgtcatc ccagcacttt 360
gggagggctaa gacgggagga tgcgttgagg ctaggagttc aagaccaggc tgggcaacat 420
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tcccagctac ttgggagggt gaggcaggag gatcacttga gcccgagggt ttcaggctgc 540
aggaagctat gatcatgcca ctacactcca gcctgggcaa tagagcaaga ctgtctctct 600
aaaaaccaa aattgttata gaatatagag ttgaataact tttctggaat gagaaagctc 660
tcattttaga tatccattca ttcattcatt caatagtgtg ctggatgcca rgaatttaat 720
gggtgargaaa atagacatga tctctgcctt ctgargctca aratcctccc tctattttta 780
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cttctgtggg ttttggcaaa tgtgtaacca acacaattaa gatcyagaac atcctgtctc 900
tcccctcca attttcttgt gtccttttgg agtcaacaac tctccccaa ccccatggcc 960
tccatgactt tttcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagggcggcc 1020

<210> 1424
<211> 957
<212> DNA
<213> Homo sapiens

<400> 1424
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aggctggaag tccaagacca aggtgttcgc aggggttggt tcttctaagg cctctctcct 120
tggcttgag atggccctgg ttggtcttct gagtgcagg gtccctgggt tctctttgtg 180
tgtccagatt ttctcttata aggacactgg tgagattgga tgagggggccc cctgacggcc 240
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aaacatgccc cctctggctc gctctcccag ggcattccatc gtagcactta gaaaaatgat 420
cacttctttt ttggctttgt ggtggcgtgt gtgtgtgtgt atttgtatat acacacatat 480
atatataaat acacagacac acatatatac aaacacacgc attcattttc gtccacagtt 540
cctggctcat aactcccaca gcccttgtaa cactcttttg ttacaacatt ggggtgtgtca 600
ggcctcagga gacaatcact ctaacctcct gcccttccct ttacctgcc aagacaggac 660
tctaactctt cctacctttc tgatgggtgg tcataaaact cattccagag acggtccac 720
cccatatcct gctagaagga atgctgctgt catgaagctt ccataaaaac caaggggact 780
ggattcagag agcttccaga taactgaaca tacagagggt ctagaagggt ggtgcgcccc 840
gggagggcac aggaagctcc atgcccttcc ttcatacctc accctatgca tctctttatc 900
tgtatctttt ataataatc ttataataaa ccagtaaagt taaaaaaaaa aaaaaaa 957

<210> 1425
<211> 1034
<212> DNA
<213> Homo sapiens

<400> 1425
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catttttctaa agtgggtttc tcccacagca gttgttaaaa caaggatttg gatacaaaga 180
gattatttaa gaggtgatcc tagacagcag gagagggttg gatggagaag 240
gtgaatacta gtaaaagact acattgatat gctgtaggca cttgaggttt ctgtttgttt 300
gtttgtttgt ttttttgtaa accttcgaga gacttatgga aaacactgta taattgtttc 360

attgaggagc	acggaactga	tcattgtttat	tcaccaactc	tcattgccttt	ttgggttgaag	420
gatgtcctca	ggggcattca	cacctgtctct	gaactccttc	ttcatctcca	gcctgcctcc	480
cttatggggc	atttcatgcc	actgtacctta	gataaagcct	tagggccaag	agattcaggt	540
gcttgaggct	gggtctatcc	ttctgagctg	caaataactt	ccagggtgga	tcaaggggaat	600
gtgggggtcag	gatagattat	attgcctctc	atttacaacc	aacctatatta	gctcatatta	660
gtgtttttatc	tggaatagga	ggagaagcat	ttgagactgt	tagaaaaaag	gttctgctat	720
ttaaaaaaa	agttttgaaa	ctgtagctct	aaactacatt	cctacctgtt	ttcctgacca	780
cctcaattac	taacttgtat	ctgtgtccat	attatttcta	gcacagcatg	gattctctaa	840
cattcttgca	gtctgggccc	tgcaaggtag	ctgtaaaaat	gctgccctgg	gacttttctca	900
gtggagacat	aagaagactc	aagcattcca	gaaagtgttt	gtttgggttg	cttttattga	960
tgtatataaa	aagattagag	acagcaagag	aagaaaatca	gagagaacct	atacttggtt	1020
aaaaaaaaa	aaaa					1034

<210> 1426
 <211> 1150
 <212> DNA
 <213> Homo sapiens

<400> 1426						
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ggtgtgatga	gagactgaga	tgtgaattgc	tcagtagaga	gttggcggtg	gcgtatccca	120
gagtgtactt	agaaacatga	aaacttcttt	gaaagggagc	tgatcacttt	tggaaaagat	180
ttacagttct	taggaatgca	aatatttgtt	tcttttcctt	ttcatctaaa	acattttacca	240
gataaagttg	agtccagaga	caactaacta	ataagagaat	aattttaata	tgtttttcca	300
ttttgggtgc	aacattgcat	ggattttttt	tcttggtcca	agactggctt	ttccagtggt	360
aaacttagca	gttaaaatta	atttggtcca	aatgaaatat	tgcactctgaa	attaggctgg	420
aattgcagta	gacgttcctg	gttcttgcaa	accagaggac	attcttgaag	ctgtgtggtc	480
ccaggtcttc	ccctctctgg	tttctgtgtg	tccctccctg	cagcctcaga	ctcgccctcc	540
agggtctcac	tgtgtctttc	caaactctca	tcttttcctc	ccaggcgctc	tgtgcagcac	600
gccactgcct	ctcacttctc	acatccacag	ctcctgcttg	gtcagtgttc	ctagttaggt	660
gtcagaaatt	gaacaaccca	attagctggg	atttcatttg	taccaaccta	tgaatggagg	720
agtagcctta	attcccttgg	gggtctccac	ttctaagaga	actgttttcc	gtccaggtag	780
gcagacctgt	catggctgaa	gcttcatcac	ctggcctggt	catagcccc	aggccctgta	840
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tgtatgtagc	gacaacaaat	acaagaataa	ggagagttta	acaacattct	caaagtgtgt	960
ggaaaagaaa	aagaatcaat	gaaaacatca	ccctaaacca	gctagtgtct	tctgtttaca	1020
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<210> 1427
 <211> 1761
 <212> DNA
 <213> Homo sapiens

<400> 1427						
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cagtagtggt	ggtagctaga	tcagccttgg	agagagagag	cccatcattt	caggccatca	180
cgactaatcc	attcatttat	gggccctttg	taaggattga	gatggctgag	gacaggggct	240
gacaggcatt	cattagacca	gtcatcctgt	ccatagtctt	attcagtgtc	tcttctgcca	300
cacgtgtctc	ctgggtgggt	ctagtgtgag	acacaaagat	caacacatta	tgtgccatt	360
cttatagctc	cagccacatg	cctcttcctc	agacatgctt	ggtttcaatc	ctctagtgtt	420
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acgccagcat	atcatgctag	cctaattcctt	ataaagccct	tttctgtctc	cttttctatt	660
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ctctccgagg	ggttcttggg	ctcgtgact	tcaagaatga	agccatggac	cctcgcagtg	780
agtgttgag	ttcttaaaga	tgggtgtgct	ggagtgtgtg	ttttcagatg	ttcagatgtg	840
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<212> DNA
<213> Homo sapiens

<400> 1433
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agcataaagg gcaatgcggt aacctttatc acaagcaacc ctattggaat gtgtcaactt 180
atcagaatga atcaggccag aatatcaagt ataaatgaag cctgtagtta actgaaagtt 240
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ctcttactgc ccacttggss cctkgtgatt aagcaactag atttgagacc agtcaggctt 540
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ttggaaagta aatgtacaat cttacataaa ttttcaggta atagcatttc agctttttcc 660
ccargatttt ttgcttgga ggagacagat tagactggat tcggagtctt gattttgcaa 720
aggtaacaaa agacatgttt ttttataaga cttttcatca taagtttatt ttattcaaca 780
gaagcaaaat ctaatatataat ggaaaaaata aagatctgtg ataaatctga tctgtgtkga 840
taaacacaat tagaaagatt taaagattaa gtattgaaac aaactaccaa aatattttta 900
tactgatttg taaaaatttc agtacatttt tcttctttgc ttaattctac tgggtcctgt 960
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gccgc 1025

<210> 1434
<211> 1390
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1301)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1308)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1327)
<223> n equals a,t,g, or c

<220>
<221> SITE
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<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1355)
<223> n equals a,t,g, or c

<400> 1434
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ttatgctcat ttgggctacc acatttgtaa gatctagcat tgcttgctct ctgtctgctc 120
ttttttcccc aaggaatacc tttctgtaac tctcatctct ccaaagtcct ggaaatctac 180
ctcgatgaag gatgaagaga aagaagacgg gaatcacatc aggcathtag aacatagccc 240
ataattaacc actcattttg cccttctggc atgctgcaact cacccaattt gtcacaaaga 300
gagcagtacg gggttggtgat ggcactgggt attttaaata aaaatggctc tttcttactt 360
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<400> 1438
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ttccatttct ttcccctcat catttccttt agaaggaaaa gggaaggaaa aaaaaagaaa 180
aaaatcagag acctgtaaac atttaagagt gaattggaca tccccacagg ctaaacctag 240
agttgtcagc ttctattcca ttctgctgtg atagagtgtt ctgcccagta tgtatccaca 300
tggagcctgg aaagtaacaa gtctgggtcat gtgacaactg gctttgggtgc tttgctttca 360
gccctcaga attagttcct aatgggtcac atagctccct gccagcatcc cgtcactggc 420
acgttaaacc ttttcaaata attcctcaga atagagattc ttaggagagc actaaatttc 480
tccattcttt gtgtttaatt aaactgttct tgcattttta tatttgccag ataagcgctt 540
aagacattac gatacagggt gagtattcct aatctgaaaa tctgaaatcc gaaacttttt 600
gaccctgaca tgacgtcaa aggaaatgct cattttcgat tttggatttc agatttggga 660
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<210> 1439
<211> 680
<212> DNA
<213> Homo sapiens

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<400> 1439
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ctagccagtg agcacctctc aagcagaatt atcttctctg tttctctggc accctaaata 180
tttggtgaat taatagtcct tctctctctt tgtaattttg ctttctgtaa tagaagctta 240
attttaagta tagttatata agtaatacaa atgaatcaca cactgagaaa tcaatgtgga 300
tgccctttaa gggttctggt atttttttta ttgccattga gtaaaaataag atactctgtg 360
ataaagtata tttagcattaa agtgttcaaa tctgatcttt attagtaggc ctcaagtga 420
tccttgctga catttaagggt ttatgacatt tccttcacgt tcgttcttga ctggaaggca 480
taaattggctg acagtaaaga gcaattaata attttccaag taaaacattt tcagggacat 540
ctgcctttat tgctccccag atgagagtag agcctgtttc ttatgtgttc caaagatgat 600
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aaaaaaaaaa aagggcgggc 680

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<210> 1440
<211> 1004
<212> DNA
<213> Homo sapiens

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<400> 1440
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aaagaaagtc atgttttctt cttgctgttc agtaatctag tcattaccaa acaatgttat 180
caatgcataa catataaaca ttccataaatt cattttcatt tctagaggaa actagttagt 240
aaaaacaata tcttcaggta gcagtgaag gaagcagaga tcatggcgtt ttggatttga 300
gtgaattctt tcaacacaaa tcaatgattt tatagacata tataggtttt tgtcagggtt 360
ccttagcttt tgcattctca aatctatttt tgctagggaa ctgtataata gctcatctgt 420
cttaccctcc ttgtctcaga gccagggtt ctgtgccttt tccaatctga aaagcctcct 480
ccttgctctc gtcccttttg gcctcatgta acttttttaa ggcccacttt aaattccacc 540
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tactttggac ctttttagctg atcctgactc tcttgacta cagtgtaaag gttctgtatt 660
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tcagctcagt gaatgcttat taaacattaa cgtaatcctt gttgctttct ttattcaacc 840
ctacagtga attttctggg tgcttggagt aactaaaata tatttgcaga tatttaattt 900
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<210> 1441
<211> 1305
<212> DNA
<213> Homo sapiens

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<211> 2122
<212> DNA
<213> Homo sapiens

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<222> (845)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (848)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1100)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1745)
<223> n equals a,t,g, or c

<400> 1451
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agagaacatt ccttcatttc aggaggacac agagcaggct aggtctgccg cgaagactcc 180
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caggccaaac gtattccaaa tgaaaagaga atagggtgtca aatgctwwac cttwtatctt 420
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<210> 1455
 <211> 1982
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (666)
 <223> n equals a,t,g, or c

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<210> 1456
 <211> 1600
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (95)
 <223> n equals a,t,g, or c

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<210> 1457
<211> 1818
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (1007)
<223> n equals a,t,g, or c
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tgcattgtat	aaggatcaaa	tgagggtaat	tatatccatc	actaagcatt	tatcatttat				180
ttgttgtggg	aatattcaaa	atcttctctt	ctagctatct	tgaaatgtct	atcacattgt				240
tatttctgtg	actcacctta	ctgtgtaatg	gaacaccaga	acttattctt	cctgtctgat				300
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<210> 1458
 <211> 1264
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1101)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1136)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1152)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1156)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1170)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1175)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1197)
 <223> n equals a,t,g, or c

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<210> 1462
<211> 1932
<212> DNA
<213> Homo sapiens
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<210> 1465
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 <212> DNA
 <213> Homo sapiens

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<210> 1466
 <211> 2128
 <212> DNA
 <213> Homo sapiens

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<212> DNA

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Figure 1. The effect of the concentration of the *Agaricus bisporus* spores on the growth of *Agaricus bisporus* on the substrate. The concentration of the spores was 10⁴ spores/g (a), 10⁵ spores/g (b), 10⁶ spores/g (c), 10⁷ spores/g (d), 10⁸ spores/g (e), 10⁹ spores/g (f), 10¹⁰ spores/g (g), 10¹¹ spores/g (h), 10¹² spores/g (i), 10¹³ spores/g (j), 10¹⁴ spores/g (k), 10¹⁵ spores/g (l), 10¹⁶ spores/g (m), 10¹⁷ spores/g (n), 10¹⁸ spores/g (o), 10¹⁹ spores/g (p), 10²⁰ spores/g (q), 10²¹ spores/g (r), 10²² spores/g (s), 10²³ spores/g (t), 10²⁴ spores/g (u), 10²⁵ spores/g (v), 10²⁶ spores/g (w), 10²⁷ spores/g (x), 10²⁸ spores/g (y), 10²⁹ spores/g (z), 10³⁰ spores/g (aa), 10³¹ spores/g (ab), 10³² spores/g (ac), 10³³ spores/g (ad), 10³⁴ spores/g (ae), 10³⁵ spores/g (af), 10³⁶ spores/g (ag), 10³⁷ spores/g (ah), 10³⁸ spores/g (ai), 10³⁹ spores/g (aj), 10⁴⁰ spores/g (ak), 10⁴¹ spores/g (al), 10⁴² spores/g (am), 10⁴³ spores/g (an), 10⁴⁴ spores/g (ao), 10⁴⁵ spores/g (ap), 10⁴⁶ spores/g (aq), 10⁴⁷ spores/g (ar), 10⁴⁸ spores/g (as), 10⁴⁹ spores/g (at), 10⁵⁰ spores/g (au), 10⁵¹ spores/g (av), 10⁵² spores/g (aw), 10⁵³ spores/g (ax), 10⁵⁴ spores/g (ay), 10⁵⁵ spores/g (az), 10⁵⁶ spores/g (ba), 10⁵⁷ spores/g (bb), 10⁵⁸ spores/g (bc), 10⁵⁹ spores/g (bd), 10⁶⁰ spores/g (be), 10⁶¹ spores/g (bf), 10⁶² spores/g (bg), 10⁶³ spores/g (bh), 10⁶⁴ spores/g (bi), 10⁶⁵ spores/g (bj), 10⁶⁶ spores/g (bk), 10⁶⁷ spores/g (bl), 10⁶⁸ spores/g (bm), 10⁶⁹ spores/g (bn), 10⁷⁰ spores/g (bo), 10⁷¹ spores/g (bp), 10⁷² spores/g (bq), 10⁷³ spores/g (br), 10⁷⁴ spores/g (bs), 10⁷⁵ spores/g (bt), 10⁷⁶ spores/g (bu), 10⁷⁷ spores/g (bv), 10⁷⁸ spores/g (bw), 10⁷⁹ spores/g (bx), 10⁸⁰ spores/g (by), 10⁸¹ spores/g (bz), 10⁸² spores/g (ca), 10⁸³ spores/g (cb), 10⁸⁴ spores/g (cc), 10⁸⁵ spores/g (cd), 10⁸⁶ spores/g (ce), 10⁸⁷ spores/g (cf), 10⁸⁸ spores/g (cg), 10⁸⁹ spores/g (ch), 10⁹⁰ spores/g (ci), 10⁹¹ spores/g (cj), 10⁹² spores/g (ck), 10⁹³ spores/g (cl), 10⁹⁴ spores/g (cm), 10⁹⁵ spores/g (cn), 10⁹⁶ spores/g (co), 10⁹⁷ spores/g (cp), 10⁹⁸ spores/g (cq), 10⁹⁹ spores/g (cr), 10¹⁰⁰ spores/g (cs), 10¹⁰¹ spores/g (ct), 10¹⁰² spores/g (cu), 10¹⁰³ spores/g (cv), 10¹⁰⁴ spores/g (cw), 10¹⁰⁵ spores/g (cx), 10¹⁰⁶ spores/g (cy), 10¹⁰⁷ spores/g (cz), 10¹⁰⁸ spores/g (da), 10¹⁰⁹ spores/g (db), 10¹¹⁰ spores/g (dc), 10¹¹¹ spores/g (dd), 10¹¹² spores/g (de), 10¹¹³ spores/g (df), 10¹¹⁴ spores/g (dg), 10¹¹⁵ spores/g (dh), 10¹¹⁶ spores/g (di), 10¹¹⁷ spores/g (dj), 10¹¹⁸ spores/g (dk), 10¹¹⁹ spores/g (dl), 10¹²⁰ spores/g (dm), 10¹²¹ spores/g (dn), 10¹²² spores/g (do), 10¹²³ spores/g (dp), 10¹²⁴ spores/g (dq), 10¹²⁵ spores/g (dr), 10¹²⁶ spores/g (ds), 10¹²⁷ spores/g (dt), 10¹²⁸ spores/g (du), 10¹²⁹ spores/g (dv), 10¹³⁰ spores/g (dw), 10¹³¹ spores/g (dx), 10¹³² spores/g (dy), 10¹³³ spores/g (dz), 10¹³⁴ spores/g (ea), 10¹³⁵ spores/g (eb), 10¹³⁶ spores/g (ec), 10¹³⁷ spores/g (ed), 10¹³⁸ spores/g (ee), 10¹³⁹ spores/g (ef), 10¹⁴⁰ spores/g (eg), 10¹⁴¹ spores/g (eh), 10¹⁴² spores/g (ei), 10¹⁴³ spores/g (ej), 10¹⁴⁴ spores/g (ek), 10¹⁴⁵ spores/g (el), 10¹⁴⁶ spores/g (em), 10¹⁴⁷ spores/g (en), 10¹⁴⁸ spores/g (eo), 10¹⁴⁹ spores/g (ep), 10¹⁵⁰ spores/g (eq), 10¹⁵¹ spores/g (er), 10¹⁵² spores/g (es), 10¹⁵³ spores/g (et), 10¹⁵⁴ spores/g (eu), 10¹⁵⁵ spores/g (ev), 10¹⁵⁶ spores/g (ew), 10¹⁵⁷ spores/g (ex), 10¹⁵⁸ spores/g (ey), 10¹⁵⁹ spores/g (ez), 10¹⁶⁰ spores/g (fa), 10¹⁶¹ spores/g (fb), 10¹⁶² spores/g (fc), 10¹⁶³ spores/g (fd), 10¹⁶⁴ spores/g (fe), 10¹⁶⁵ spores/g (ff), 10¹⁶⁶ spores/g (fg), 10¹⁶⁷ spores/g (fh), 10¹⁶⁸ spores/g (fi), 10¹⁶⁹ spores/g (fj), 10¹⁷⁰ spores/g (fk), 10¹⁷¹ spores/g (fl), 10¹⁷² spores/g (fm), 10¹⁷³ spores/g (fn), 10¹⁷⁴ spores/g (fo), 10¹⁷⁵ spores/g (fp), 10¹⁷⁶ spores/g (fq), 10¹⁷⁷ spores/g (fr), 10¹⁷⁸ spores/g (fs), 10¹⁷⁹ spores/g (ft), 10¹⁸⁰ spores/g (fu), 10¹⁸¹ spores/g (fv), 10¹⁸² spores/g (fw), 10¹⁸³ spores/g (fx), 10¹⁸⁴ spores/g (fy), 10¹⁸⁵ spores/g (fz), 10¹⁸⁶ spores/g (ga), 10¹⁸⁷ spores/g (gb), 10¹⁸⁸ spores/g (gc), 10¹⁸⁹ spores/g (gd), 10¹⁹⁰ spores/g (ge), 10¹⁹¹ spores/g (gf), 10¹⁹² spores/g (gg), 10¹⁹³ spores/g (gh), 10¹⁹⁴ spores/g (gi), 10¹⁹⁵ spores/g (gj), 10¹⁹⁶ spores/g (gk), 10¹⁹⁷ spores/g (gl), 10¹⁹⁸ spores/g (gm), 10¹⁹⁹ spores/g (gn), 10²⁰⁰ spores/g (go), 10²⁰¹ spores/g (gp), 10²⁰² spores/g (gq), 10²⁰³ spores/g (gr), 10²⁰⁴ spores/g (gs), 10²⁰⁵ spores/g (gt), 10²⁰⁶ spores/g (gu), 10²⁰⁷ spores/g (gv), 10²⁰⁸ spores/g (gw), 10²⁰⁹ spores/g (gx), 10²¹⁰ spores/g (gy), 10²¹¹ spores/g (gz), 10²¹² spores/g (ha), 10²¹³ spores/g (hb), 10²¹⁴ spores/g (hc), 10²¹⁵ spores/g (hd), 10²¹⁶ spores/g (he), 10²¹⁷ spores/g (hf), 10²¹⁸ spores/g (hg), 10²¹⁹ spores/g (hh), 10²²⁰ spores/g (hi), 10²²¹ spores/g (hj), 10²²² spores/g (hk), 10²²³ spores/g (hl), 10²²⁴ spores/g (hm), 10²²⁵ spores/g (hn), 10²²⁶ spores/g (ho), 10²²⁷ spores/g (hp), 10²²⁸ spores/g (hq), 10²²⁹ spores/g (hr), 10²³⁰ spores/g (hs), 10²³¹ spores/g (ht), 10²³² spores/g (hu), 10²³³ spores/g (hv

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<210> 1482
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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

<400> 1482

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tcgttacatc	ttcatcaggt	taatgtta	tctagttcct	ttgcaataaa	tatattgctg	1980
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<212> DNA
<213> Homo sapiens
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[illegible]

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 809

<210> 1500

<211> 1208

<212> DNA

<213> Homo sapiens

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<211> 2141

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (644)

<223> n equals a,t,g, or c

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<212> DNA
<213> Homo sapiens
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<210>	1503
<211>	1769

<212> DNA
<213> Homo sapiens

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<210> 1504
<211> 1149
<212> DNA
<213> Homo sapiens

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ggcgcccgcc 1149

Figure 6. The effect of the number of iterations on the accuracy of the proposed algorithm. The figure shows four plots for different values of α : 0.01, 0.05, 0.1, and 0.5. Each plot displays the accuracy (Y-axis) against the number of iterations (X-axis). The accuracy generally increases with the number of iterations and stabilizes after approximately 100 iterations. Higher values of α result in higher final accuracies.

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<223> n equals a,t,g, or c
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<221> SITE
<222> (83)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (121)
<223> n equals a,t,g, or c
```

```
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<222> (133)
<223> n equals a,t,g, or c
```

```
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<222> (154)
<223> n equals a,t,g, or c
```

```
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<221> SITE
<222> (1166)
<223> n equals a,t,g, or c
```

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<221> SITE
<222> (1262)
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120
180
240
300
360
420
480
540
600
660
720
780
840

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<210> 1512
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 <213> Homo sapiens

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<210> 1513
 <211> 712
 <212> DNA
 <213> Homo sapiens

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cagctactcg	ggaagctgag	gcaggaaaat	cacttgaacc	tgggaagtgg	aggtttagt	900
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<210> 1517
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 1517						
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gcaacaccta	ggagatttca	gtaaacagta	gaatcatgcc	aacctaatct	gtgttaaaat	240
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<210> 1518
 <211> 924
 <212> DNA
 <213> Homo sapiens

<400> 1518						
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tattgtagtt	aaactgaaaa	actgtgttaa	aaggctgtgc	cagtcaacat	ttctatgtgt	180
gacttaagta	actgtgtact	tcattgttta	atattttgag	ccagcactta	gtggcctcta	240
cagaaggaaa	tattgtagtt	gtcaaagtgg	tgccaaactt	gaaaatcttg	tgtcatgttt	300
ataattccag	gccaggtcag	cttttcttca	acactttccg	agctctttga	aagcaaaaaa	360
catttgcaaa	aagagaaaaga	aagcaagaat	tctgaacttt	tctaatactc	tctcctctag	420
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<210> 1519
 <211> 807
 <212> DNA
 <213> Homo sapiens

<400> 1519						
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<210> 1520
 <211> 893
 <212> DNA
 <213> Homo sapiens

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 <222> (10)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (18)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (28)
 <223> n equals a,t,g, or c

<400> 1520	
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tcctgaagtg	300
catcaaagac	360
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taagaaatta	480
gagagatgtc	540
tgatcacaag	600
agagcagcgg	660
caaacagcag	720
tagcaccggc	780
tgaagaacct	840
ggttatctgat	893

<210> 1521
 <211> 2037
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (28)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (68)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1389)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1394)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1417)
 <223> n equals a,t,g, or c

<400> 1522
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 aagattttatc tggaagtatt actagtgtt taatcttaga aaatatcaaa tctttaatag 600
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<210> 1523
 <211> 1837
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1697)
 <223> n equals a,t,g, or c

<400> 1523
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<210> 1524
 <211> 493
 <212> DNA
 <213> Homo sapiens

<400> 1524						
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<210> 1525
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 1525						
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<210> 1526
 <211> 1369
 <212> DNA
 <213> Homo sapiens

<400> 1526						
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<210> 1531
 <211> 1876
 <212> DNA
 <213> Homo sapiens

<400> 1531						
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<210> 1532
 <211> 1133
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> n equals a,t,g, or c

<400> 1532						
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gaaaacagcc	tgtctggctc	aaagcaatta	aatagaatgt	aatgggtgagt	acaaatgagt	420
gcacatgtca	ggactcaggt	ctaactcctt	gtctcctgag	cctaaagatt	gcaacataca	480
caagaacaca	ctcctattcc	taccccacac	actcagggac	aagcccaact	aaagcttaca	540
aggagaccag	ggtggctctg	tccaggggag	aagccagtta	tggaaacagt	cattgagagc	600
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<210> 1533
 <211> 1609
 <212> DNA
 <213> Homo sapiens

<400> 1533						
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aaaaaaaa						1448

<210> 1541
 <211> 1143
 <212> DNA
 <213> Homo sapiens

<400> 1541						
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tccgtctcaa	aaaaaaaaaa	aaaaaaaaaa	aagtagagac	agggagacag	ggtctcactg	360
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aaa						1143

<210> 1542
 <211> 1589
 <212> DNA
 <213> Homo sapiens

<400> 1542						
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ttagccttca	tacattttta	ctggttaggca	tttccttttt	cagatgatgg	tgataatagt	240
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ctttttgaag	cccttgaaat	gaagttttagg	gaccactgat	ctagaattct	ctttatgctc	360
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tgttttcttt	cttttggtcc	cagttgttat	tatgtggggg	tctgggttcta	ttttatgttc	660
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<210> 1543
 <211> 831
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (53)
 <223> n equals a,t,g, or c

<400> 1543						
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<210> 1544
 <211> 784
 <212> DNA
 <213> Homo sapiens

<400> 1544						
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cgag						784

<210> 1545
 <211> 1178
 <212> DNA

<213> Homo sapiens

<400> 1545

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cctcatagct	cgtggcttca	aagtgccatg	tttggccagt	ggcagacaca	atcataaagt	300
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<210> 1546

<211> 1579

<212> DNA

<213> Homo sapiens

<400> 1546

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<210> 1547

<211> 954

<212> DNA

<213> Homo sapiens

<400> 1547

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gtgtgtgttt	tgtaccttca	gtcccttggt	attgttccgt	atattacctg	taagcagata	180
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<210> 1548

<211> 1563

<212> DNA

<213> Homo sapiens

<400> 1548

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<210> 1549

<211> 1847

<212> DNA

<213> Homo sapiens

<400> 1549

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<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<400> 1552

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<212> DNA
<213> Homo sapiens

<400> 1553

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<210> 1554

<211> 822

<212> DNA

<213> Homo sapiens

<400> 1554

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<210> 1555

<211> 1488

<212> DNA

<213> Homo sapiens

<400> 1555

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<400> 1558

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<210> 1559

<211> 1572

<212> DNA

<213> Homo sapiens

<400> 1559

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 <212> DNA
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<400> 1560						
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 <212> DNA
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<400> 1561

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<210> 1564
 <211> 1564
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> n equals a,t,g, or c

<400> 1564						
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<210> 1565
 <211> 914
 <212> DNA
 <213> Homo sapiens

<400> 1565						
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<210> 1566
 <211> 2235
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1097)
 <223> n equals a,t,g, or c

<400> 1566						
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<210> 1567
 <211> 1369
 <212> DNA
 <213> Homo sapiens

<400> 1567						
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<210> 1568
 <211> 2910
 <212> DNA

<213> Homo sapiens

<400> 1568

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<212> DNA

<213> Homo sapiens

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<211> 994

<212> DNA

<213> Homo sapiens

<400> 1575

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<213> Homo sapiens

<400> 1583

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<210> 1584

<211> 1551

<212> DNA

<213> Homo sapiens

<400> 1584

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tcagagtcag	aatttgaaat	cagggtgtct	ggctcccaag	tccatgctgt	gaacctctgt	180
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tcccaggaaa	gccttcaggg	tgtcccaaaa	ctcctgaaat	tctatggcaa	aatgttgtgt	300
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<400> 1587

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<210> 1588

<211> 1170

<212> DNA

<213> Homo sapiens

<400> 1588

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gggctccagc	ctggctttca	ttctgtttct	cccctgaaac	aacattcctt	tagtaatatt	180
ccgaataaca	gcttcatcag	tctgtctacc	gaccactctt	caggcttcat	cttatatgac	240
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cttgagctta	aatgccagct	tcacttacca	gccactgac	catgagtcag	ctgcttaacc	360
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ttaacattaa	attcaatcat	gtattcaaag	tctgagcag	aatgtctggc	catgactggg	480
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<210> 1589

<211> 1150

<212> DNA

<213> Homo sapiens

<400> 1589

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cactcagcgg	tggtcttagc	caggctcagct	ttgggtgagt	gaagtccatg	ttgctgagcc	180
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cagcagtggt	kggagaaaga	gctgactagt	atcacagaat	gggctctcct	atttccttga	300
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tgaggcggag	cttgcaagtga	gccgagatgg	tgctgctgca	ctccagcctg	ggctacagag	2580
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<210> 1591

<211> 1485

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1365)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1402)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1423)

<223> n equals a,t,g, or c

<400> 1591

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gttgcaagtga	gctgagattg	cnccatgcac	tccaacccgg	gcnacagaga	ccctgtctca	1440
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<210> 1592

<211> 1566

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1013)

<223> n equals a,t,g, or c

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tttgaaaggt	aagagaagct	tcaatgctac	ttccagctctg	agaaggctca	gactcgccag	180
gtaacagttt	gttgctgcta	aatattttctt	taccagagact	tcagacttga	tgtcccttga	240
gttgtaaatg	atagtctcag	tcattcctcag	caagtccagt	gtagagagg	aaggtttttag	300
agcccagggg	cacacctctg	agggggggcc	cggtagcccaa	ttcgccctat	agtgagtcgt	360
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<210> 1597

<211> 1409

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (478)

<223> n equals a,t,g, or c

<400> 1597

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atgcagaata	aaaacagata	taattcatat	actaaaagac	atttcataga	caatggcaca	180
atgattttctc	caaaccgccc	tacattatat	gattttcttat	cttcattgtg	ttgttgatta	240
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taaagcagat	ttctctcccc	aatgtatata	ggctcatcct	atttgttaaa	ggtctganat	480
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<210> 1598

<211> 1300

<212> DNA

<213> Homo sapiens

<400> 1598

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ctcttggggg	tgtggggaat	tkagatgcc	ctggccattt	ttgccttagt	tgaccttttt	180
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tattcctata	agcttctcta	tttctccttt	ttttccaaaa	tggaaaaaaa	atagcaccag	1020
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tgacacacag	gctcagtaca	ggccgtccca	tt			1112

<210> 1607
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (80)
 <223> n equals a,t,g, or c

<400> 1607						
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tcccctacca	tactaaggaa	atttaattta	attttgagta	taaaggagag	gtgctaaagg	180
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agaatgaaag	cagggaagct	ggatgtggtg	gctcatgccc	gtaatctcag	cagctcggga	300
ggcggagggtg	ggaggactgc	ttgagttcag	gagtttgagg	ccagtctggg	caacatagcg	360
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<210> 1608
 <211> 759
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (740)
 <223> n equals a,t,g, or c

<400> 1608						
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rgtgatcac	aaggtcagaa	aatcaagacc	atccttgcca	atatsgtgaa	accgtgtctc	720
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<210> 1609
 <211> 1440
 <212> DNA
 <213> Homo sapiens

<400> 1609						
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<210> 1618
 <211> 2111
 <212> DNA
 <213> Homo sapiens

<400> 1618						
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<210> 1619
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 1619
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 caacagaaaa tgaaccaagw sgtatgttct ctttggtatc tgctgctttt attcaacatt 180
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 ttatgggacc ccgctgtatg agccatctat ctattgtatc tatggctgtg gracaaacta 300
 ccccaaaacc tagtgactta aaacaakaac atttatcttg catagtttct atgcattagg 360
 aatttcaaga gcagcctagc tgggcagttc tggctcaggg cctctcatgt ggttgcagct 420
 gagatgtcct tcaggggtgc agacatctga ctggggcttg accgttgctc gag 473

<210> 1620
 <211> 1478
 <212> DNA
 <213> Homo sapiens

<400> 1620
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 ctgggttcag tctactatta tcggttctgt acagtgtctc ctctgtgtgct agtgaaacag 300
 gatggggggc gaggaacctc cttcccatct tttactagcc tgagaagtat cttttcaata 360
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 cagtctagaa tctccctttt atattgctgc agaaacacag actcattttc atacacgttt 600
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<210> 1621
 <211> 601
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (292)
 <223> n equals a,t,g, or c

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ttctcagtgt	cccgtggtgt	ctggcatcct	ctgtgtccct	cggcttggga	cagccccctct	960
ctaattctctg	cctccacctg	cacatggcca	tcttccctga	atgtgcctcc	aaaactctct	1020
cctttataaaa	gacaccagtc	attggacata	agccccacct	tactccagtg	tgacctcatc	1080
ttaaatccat	gacatctgca	aaggctccta	tccaaatggc	ccttatccca	ataaggtcac	1140
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<210> 1630
 <211> 1626
 <212> DNA
 <213> Homo sapiens

<400> 1630						
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ttgttcattc	attcatccat	ttaaatccca	aaggaattta	aaagaagagt	aacattttaac	420
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tcatttttag	gtgtacagtt	cagtggtaat	atatctaaat	ttatattctt	tatttttctg	780
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ggagct						1626

<210> 1631
 <211> 1347
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (830)
 <223> n equals a,t,g, or c

<400> 1631						
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cacatgaatg	tattagttag	tgcccttgta	acagggctgg	agagtactat	ctacgtaggc	180
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<210> 1638

<211> 570

<212> DNA

<213> Homo sapiens

<400> 1638

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<210> 1639

<211> 1811

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1127)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1160)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1728)

<223> n equals a,t,g, or c

<400> 1639

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<210> 1640
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 1640						
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gcttaactaa	atttgtacct	cacctcttat	gcacttaaaa	tcccttttaa	attcgttgat	300
cttagtttac	ctccctggag	ctccttctat	ttatacacaa	taactgggtt	ccaaatattg	360
aaaatcaact	cttgtagccc	ctctagtttt	tgtttactta	cttgcttcat	tccccacggg	420
ctgaacactc	cagttccctg	gactttttctc	atatgatgat	ta		462

<210> 1641
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 1641						
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ttatctttca	gtgttttctg	aatgactcca	ttccccttac	tctagtaatt	agcaagcatt	180
tttcttgaac	acagaataca	cacattcaca	cacttcagtt	tttaaagcac	agttaggcaa	240
tgctaataga	aaagtgccag	aatcagaatt	ttcttaattc	ctctgtgctc	aacgtctctt	300
cccattcccc	agttcttggc	attggggaga	aaattcttac	ttttgctatt	tgatttaatc	360
tttaattcta	tctccatgat	tttctgtttt	gttttttttt	tccttaggat	gactgtcttt	420
tgaaggtttg	gtataatgta	gaaaactggc	ggacagctgt	tacttctcca	gatggaagtt	480
cagaaaaaca	atcccaagga	gaaattgact	tttcttttgt	gtatctggcc	catc	534

<210> 1642
 <211> 1011
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE

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agaacacagc	ccatcagagg	ttactgcacc	ttcaacgaca	tgtgcttttg	actgacccat	600
caaaacactg	gtggcaagag	cactaaataa	gttgccctatc	atacttaatc	tttccaggat	660
tcaaagagga	gtgtagagt	aatgaccta	taagactcct	gagcctaaaa	tataatctaa	720
tggactcagc	tttaaagcgc	tcattgagag	gatggccaaa	aaccagccgc	cacagtgcga	780
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aatgacattt	gaaaggctaa	aaattacaaa	gttgtttaca	gagatggact	tagaaaataa	1140
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aaaaatctcc	tttaaaaagg	aaataaatat	actagttya	gacagaaaca	acttcaaagg	1260
caatcagaaa	attcagtgga	atttttaaaga	gggartctca	ctcaaagaat	tctctaaaat	1320
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<210> 1653

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1653

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ccagccccgt	ggcgccgagt	ggccttcttc	ccagccccag	tgggcgagc	gggggtgggc	300
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agaatgcagg	gaacatggct	gagcagcgct	ggctgtggag	ggagggcagg	ggcaggggct	660
agggctgcag	gcgtgtccct	ggggctgata	gcgggtgggt	ggggtctggc	cagtggaggg	720
tccatggggg	ctcctagcaa	acgcagtggt	gctccttaaa	tgacgggtgc	aggcgggggt	780
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<210> 1654

<211> 1590

<212> DNA

<213> Homo sapiens

<400> 1654

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attctgtgta	aagccagcaa	actaaccagc	agcctcagaa	attttatggg	tctttctatt	180
gacagtctaa	ggctctccct	ggttaccatt	tccccaaaag	aacaatgagg	aatttgaggg	240
ttatgcattc	tcgcagtcgt	gggatctgtg	atagtcactc	tgtaggtgt	ttttgagcca	300
ccaggttctc	catagcagct	ttcaaatctt	tgcttctcgg	gctgtagatg	atgggggtga	360
gaatgggggt	caccactcca	tagaaaatgg	agatgagttt	gtctgcaagg	tctgttttgt	420
ctgctcccat	tgggtcctta	gacttggggg	tcccatatcat	gaagaggatc	atcccataga	480
agacgatcac	gacagtgagg	tgggcagagc	aggtggagaa	ggcctttttc	ctccccctcag	540
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taaggggggt	gcacatgtcc	aggtagtgat	caaaagccat	catgctcagg	agaacacact	900
ctgtggctcc	catggcaaa	gagaggaaca	tctgtatctg	acaggctgag	aaggagatgg	960
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<221> SITE
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (752)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (767)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (835)
<223> n equals a,t,g, or c

<400> 1657

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atgtacttta	cagccagctt	tatatgctgc	tttntctct	agctcttata	aatgcttatt	180
tataagcatt	ttctcaacat	aaattacttt	tgaagggttc	atttgatggc	cacgatatgc	240
catcacaatt	atTTTTcagt	cataatttat	gtagctgac	ttcattgtta	cacacatgga	300
tgTtccccac	catgtggctg	ccataaatga	ttctccgatg	accaactcta	cacatagatc	360
cttTgtcttca	tctctgatta	tttcccttatg	atagatttct	ggTctcatca	ggTcaaagga	420
tatgggcatt	tttaaggctt	tgatatgtgt	tatgaaattg	ccctcctgca	aaggTggcct	480
gggTtccact	ccccatgaag	gctcaacagg	tttctgaggc	ctccctcaca	cctccttcag	540
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atagTaaagg	attatattat	caaatatTTa	attatgtatg	tatctgaaaa	tatttttaaaa	660
gtcaacataa	ttactctatt	tccattagtt	tgatttgag	caaattatgc	atttagTgtg	720
aagTtgagg	tgcyttgctg	gttgaggygc	anatagcgkt	tggtgncta	caatggggcg	780
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ttcctcccag	ctggggagcc	tcagtacctt	ggagctctga	aatcacacca	acaccacaaa	900
tgaccctggg	gactgggtgt	cttagttatc	tattcttgca	taacaaacaa	ccccaaaact	960
tgtggTtgct	gaaaacaata	aatatTTact	gtctcacagc	ttctgtggga	gctctccatc	1020
cgtggccagc	agctcaggct	caggatctcc	caagaagctg	caatcaaggT	ggccccatgg	1080
ccgcagTcaa	ctcaggcttg	actcagggag	aaagtatctg	cctccaacct	tactcacacg	1140
atctctccaa	agggctgctt	caggacgtga	cagctggctt	ctccctgagc	agacaattcc	1200
agagaagcac	tcaggTcggc	acgcaaggTt	ttcccatcct	tttggcatag	aagTtagagc	1260
ccagctcgag						1270

<210> 1658
<211> 1100
<212> DNA
<213> Homo sapiens

<400> 1658

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aatctgtttc	agattatttt	tattttacaga	aatgattttt	tccaagattg	ggaccaccaa	180
gaaactacag	atgcagacat	acgtcatatc	actcctctag	tcctgaattt	ataatattat	240
ttactcagt	ttttcttttt	acctgagaac	aaataaacia	aaataaacia	caccatctcc	300
caccaaata	atacaaacag	caatgaaaaa	cttttctaag	tagctgtgag	tcaaaaaggT	360
gaaatttcat	tgagctgcaa	aactaatcca	gcagTtttag	gatatgttca	cgTtttggtg	420
atttagatga	ctattttctac	atttccctat	gatccaggat	accaagggac	ctgctgcctg	480
agacgttgag	atttagaggg	ctttttctct	gttacaatga	ctcagagcaa	atggagagag	540
tgTccatttt	tcatggatga	tgatgcttgt	aaattttcat	tcatatcttt	gataactgat	600
gtacttagca	acttccagat	aacattgggt	agagTtagct	ctgcttattt	tggttctaata	660
ttagaaggaa	gacagagaaa	atactcattc	taagtaccta	ctttttgtca	gtaactatgg	720

acagagggca	gcccaggtaa	gcttactcct	ccctcagagt	ccctctgaca	acatcaggta	1020
ggcccaacac	cacaggtaag	gggggatctt	cagaaacccc	accaacaaca	gtggacaaaa	1080
gaagcatttg	ccttctcccc	aggcctgaga	tgtcccactt	tcacctagag	atatcgagg	1140
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aaataaaaaa	tgtaaataatg	agtttcctaa	catagtagac	aaaatgttca	atcaaaaatc	1560
ntctgtcata	ccaagaatca	agtaaatac	aacttgactg	agaaaaggca	actactgcca	1620
acattaagat	gagttcgatg	ttggaattat	ctgacaagga	tttcaaagta	gccatcataa	1680
aaatgcctca	acaatcaatt	aacattatct	taaaacaaat	aaaaaaaaaa	aaaaaaactc	1740
gag						1743

<210> 1677
 <211> 1201
 <212> DNA
 <213> Homo sapiens

<400> 1677						
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cagctaattc	tctagcaacc	ccgttgctgt	ccatggcaag	caggttagtt	actctcgccc	120
tttcccgttt	caggttcatt	aaaaaactct	tgtaaaaatc	tctttcatcc	catcttattc	180
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gcactgttag	taacattact	taccagcatt	caagtgggtc	ttcctgatgc	cattctctcc	300
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aaacccataa	tttggcccca	ccctagctat	ttaactttat	tttccactat	tcgccagtct	480
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gatcatgtat	gttgctcatct	tctatttaaat	tccatactcc	ttgaaggcag	gagccatgcc	780
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ataaggaagg	actcaaacac	ctttgaatct	ctgtgagacc	agtcatgagg	tcttttgaaa	1140
gagttcttta	actggagtga	atgtcaaaaga	gaagtataat	aaaaaaaaaa	accggcacga	1200
g						1201

<210> 1678
 <211> 1815
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1360)
 <223> n equals a,t,g, or c

<400> 1678						
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ctgcaagcat	gagggaagga	cagttaaaag	caaaacggaa	gccttgcatg	ggccgcttat	180
gcttctggag	ctactttttt	tttttttttt	tttttactat	acatgggtatt	tagataaagg	240
tctagagtaa	aaggctctac	aaccatctta	tgttcagagg	tcagtgtgtg	acttaattta	300
acatttcctt	tacttttgtt	tttctccatc	ttgtatttta	tagccagagc	ctgaacctcc	360
tcgtcgattt	tttgtcgacc	agtgggagct	ttctcttagt	ctccgctcct	ctgcccgcct	420

<222> (56)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (548)
<223> n equals a,t,g, or c

<400> 1682	tgtntgaaat	tgtgaccgga	ttacaatttt	cacacanaaa	cagctatgac	catgantacg	60
	ccaagctccg	aaattaaccc	tcactaaagg	gaacaaaagc	tggagctcca	cgcggtggcg	120
	gccgctctag	aactagtggg	ccccccgggc	tgagggaatt	cgccacgagt	gtgcatatat	180
	gtgcacgtgt	gtgcgagtgt	gcgtgtgcat	gtgtatatgt	gcgcatgagt	gtgcatgagt	240
	gcaagtgtgc	atgtgtgtat	gtgtgcaagc	gtgtgtgcac	atgtgcttgt	gtgtgcatgt	300
	gtgtgcaagt	gtgcatgtgt	gcgagtgtgc	atatgtgcat	tgtgtgctgt	agtgtgctgt	360
	tggtccgtgt	acacatctgt	ccatacatgt	gagcttgcat	gcacatgtga	gcatgtgagt	420
	gtgcatgcat	gtgttgtgtg	tgtacgtgtc	tgacggttgg	tgtgtgtatg	tgtgtgcctg	480
	tgagtgtgca	gagaggccct	ggcgctcgag	ggggggcccg	gtaccaat	cgccctatag	540
	tgagtcgn						548

<210> 1683
<211> 975
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (401)
<223> n equals a,t,g, or c

<400> 1683	ggctgcagga	attcggcacg	agcttcaatg	aaatttatag	aaaagactct	cacaagtacc	60
	attgaatata	gttttctgat	gattttgaga	tcgtagtatt	tgactgggta	agaattccga	120
	acttcagtga	aaaaactgaa	ctcaaaaaac	tactaaccca	acatcaagca	gaataagaat	180
	tattacatgg	gactaaagca	atgaaagatt	atgattttat	gacttttttg	tttggcacat	240
	ggcttattct	ttcatgtttc	attttccaca	ttattttttt	ttttctttca	gctatctaca	300
	gtttacggga	atatgggaag	gtgtactttt	gtgtgcagaa	ttgaaatttt	tttttctccc	360
	tacctgatcc	ctccagagtt	tggagactat	ttgtgagtat	ncttatttca	ataacaatat	420
	agttatttgc	ttacatttaa	gaagaatcta	ttctctttct	aataggacac	aattggaaac	480
	attggccata	ttaccaaggc	tttgccctgac	atgtcctatt	ctgagatatg	accagattgc	540
	tctaaggaat	taaagtgtgac	tttataaagc	caattaaaaac	cccttggaag	atctatcttg	600
	atatcttgga	tataataatta	acatgggtga	tttacagggtg	agaaaaaatg	tcacttcttg	660
	agaggccctg	gaacctgaat	atatttttgg	gaaccttgag	aagagaagta	ttcactcaag	720
	tttaaaggta	ttacaggcac	aatttgaggg	tgactcctcc	ttggattggc	ttccagcct	780
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	tgaaaatgag	cttatatgat	taatcatcat	tttgctgtac	ttctgtaaat	tattaggcaa	900
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	taaaaagggg	ggaac					975

<210> 1684
<211> 481
<212> DNA
<213> Homo sapiens

<400> 1684	ggcagcagga	agacccact	cttccctcat	gaaccatagc	agataagtta	tcaccctta	60
	ccattaagta	tccaaaccct	tattaatgga	aatcatccat	tacgtgccc	ttgcaggaat	120
	caccctactt	actctactct	ttgccatagg	aatatatact	gtcttgccct	ctgggtggaa	180
	tttcagacaa	aaaaaactca	atattcgtaa	cctcttgccct	cataatcctc	ctcatagctg	240
	gtataatagc	caccaccaac	agatagtggc	ccctcctaaa	tgctctgtct	ttgcccctcc	300
	tggcatttca	cactcttccct	tcactgcac	acagaaaacc	tttcatgggc	ctaccagaa	360

<212> DNA

<213> Homo sapiens

<400> 1690

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cttactgtcc	agccggctct	gttcctcggg	tgteccctccc	aagcacagt	cgteectctcc	120
tgggatggct	ctattaataa	ccctcatgtg	gatgttctgg	gacggccatt	catgcttctt	180
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cccggctggg	acgtgcgctg	tgtggccctc	ctcggggact	gcagtgtggc	agaaaaaac	420
accctgagct	tctctctctt	tctttctctt	gctgatattt	tgctgcccct	aacaatcatt	480
ggatccaata	taagctataa	aaggcagcct	cacaagtgt	gagcagggga	ggaagatgga	540
gaggggtctg	caggggagac	taaagattcc	cagcattaaa	ggcaactgct	atctatcaag	600
gatattcatc	catctaaccg	gggtaataat	ttatcctaga	ctgttgctaa	ggctgagtta	660
atatagtctga	agtgtactat	caagggtta	ggcaccac	tgagttcaaa	tctttgcaca	720
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caccaaatac	cagcagacct	tactgcttc	tataggtcat	gagcaggggc	aacaggtcaa	900
gggaggctta	aaggactcag	tacaggccag	gcaccggggc	tacgcccgt	aatcccaacc	960
ctttgggagg	caaaggtggg	aggattactt	gagctcagga	gtttgagacc	agcctgggca	1020
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<210> 1691

<211> 675

<212> DNA

<213> Homo sapiens

<400> 1691

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atattgtaaa	actacctgtt	atatgctttt	acatttgtaa	ctgtttcatc	tagcatagct	120
taagtgggtga	tgggagtctg	cttttgagct	tcactatgct	attggcaaat	acagttaatt	180
aactggtcta	gtttttttatc	tctattttcc	ttcttgca	tcagtgtctca	gagtcctaag	240
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<210> 1692

<211> 835

<212> DNA

<213> Homo sapiens

<400> 1692

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taccacatag	attttcataa	ttattgtatc	atcatagtgg	attatgaact	ttttcataat	660
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<220>
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 <222> (644)
 <223> n equals a,t,g, or c

<400> 1698

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<210> 1699
 <211> 953
 <212> DNA
 <213> Homo sapiens

<400> 1699

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gaatccatac	tctcaacagt	cactccctga	ctctcctctt	cctcttctct	atctttctgt	180
gcagttagtg	gttttactac	ggtttatttt	cattctcatc	agttaggagg	aaatagaaga	240
aagagtaagt	aactgagggt	gaatatgtta	acttactggg	ctgttttcat	taagcaaata	300
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<210> 1706
 <211> 759
 <212> DNA
 <213> Homo sapiens

<400> 1706						
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tctgaggttc	tgtggaataa	attagtttgc	tccttggccc	taccctaact	ccacacacac	720
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<210> 1707
 <211> 933
 <212> DNA
 <213> Homo sapiens

<400> 1707						
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tgggggtttg	aagtactggc	tagaagctgg	cgggggtgtg	gtgtgcagg	gtgcgagtgc	180
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tgtgtgtttg	gagatttgga	cttgaaaatt	ctagctcagg	tctttggggg	agtgtttgac	300
ctgaactctg	aaaggcaagg	gtcccagact	ttcctgggat	gatgggaact	gggcacccca	360
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933

<210> 1708
<211> 655
<212> DNA
<213> Homo sapiens

<400> 1708
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cagctcaccc tgggtgttgcc atggagattt atatcaatgc catgagccag ggcctaattt 480
gcgcatcttg ctgattaaca ggagtatttg ctaatccctg ccaagctctc tcatccactg 540
ccatgactaa tctcaccggg tggcgatgcg tgggaattcat gaatgctaga aacccatcat 600
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<210> 1709
<211> 366
<212> DNA
<213> Homo sapiens

<400> 1709
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taactcacac aactgagctg ttgttagtta ggatctacgg ccacagaaat agtatgtctg 180
aaataaacat aaatatgagt aaaatccagg cataccccct aaatcatgcc cttcactttc 240
ttcctgtttg taaatctttt gtaagccttc aacttttttt cttttttaagc ttgtagccat 300
ttctttttga atgactctta gcttactgtg tttccagggg ttgaggagcc atgtatctgt 360
gggata 366

<210> 1710
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (616)
<223> n equals a,t,g, or c

<400> 1710
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ctgtaatgtt tgatgtctga agctgggtgg tgggcatggc tgtttgttat tctccatcct 120
tttggtatgc ctgatacatt tcataataat tttaaaaagg acaagactac tgcagagaaa 180
tgcataagat gagctctgtt tgggttttta aaatgattcc tacatctatg cttgcagatg 240
taagcaccag ccctggaaaa cattgcaagg gattcttagt aggcccaagc tttgggaaag 300
ggccaagggg gctggggagt tgattaggag gggatacatg ctttttctg ctgccttttg 360
aattttgtac cacacgtagt attacttatt aattaaaaaa taatctgaac tagccaggcg 420
tggtggcaca tacctagtct cagttacttg gaaggctgag gcaggaggat cacttgagcc 480
caggtgggtt cgccagcct gggcaacata gtgagaccct gtctctttag aaaaaacagg 540
ccaggcatgg tggctcacac ctgtaatccc agcacttttg gaggctgagg tgggtggatc 600
acctgaggtc gggagntcga g 621

<210> 1711
<211> 1611
<212> DNA
<213> Homo sapiens

<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (872)
<223> n equals a,t,g, or c

<400> 1713
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tgccactctg ttttttgacc agggcattta gctcatttac atttaagggt agcattgtta 180
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tgatgaattt cctcatcatt tgcttgtctg aaaagggtct tatttctcat tcgcttttga 420
agtttagttt gscagatat gaaattaagg gttggaaatt catttcttta ataattgtcaa 480
atattggccc ccagtttctt ctggcctgta gggtttctgc tgagagggtcc actgttagtc 540
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tactgcctat atttgcctga g 1341

<210> 1714
<211> 372
<212> DNA
<213> Homo sapiens

<400> 1714
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cttggggaggg cccaagtga tggtcatcag attgagcaac tgggcaccaa catgtgtttc 180
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tataataccc ccaggtgttt ctggcagggg agatgggaaa agtagccatt ttgaaaaaca 360
gccagctggg gg 372

<210> 1715
<211> 745
<212> DNA
<213> Homo sapiens

<400> 1715
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ttggaatgtg atccccattg ttggagctgg ggcctaattg gaagtattgg ttcattgggg 180
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ccttctcacc atatatcatg gtagttccca tttgccttcc accatgattg taagtttctt 360
aaggcctcac caggaacagg tgccagcacc atgcttctct catagttgtt cactcttatt 420
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<210> 1726
 <211> 649
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (567)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (588)
 <223> n equals a,t,g, or c

<400> 1726						
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tgacgtccct	acccgaattc	tcctggaagt	tcctcctgta	gcctcctggg	tccccagggtg	360
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gtttctgtcc	cctgytgcag	caagagcagg	ataggacatc	aggccccccc	ccccccaatt	540
ccccagggaa	agaaaaccca	accaatncca	aaccagctc	ccactttntc	aaccacagtt	600
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<210> 1727
 <211> 1521
 <212> DNA
 <213> Homo sapiens

<400> 1727						
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tgccgtgcaa	tggggctcact	tcttgtcttt	ccacgggtcat	cctatgcact	ccttcacctc	120
atcggagctt	gattccttat	ctcatgctca	gccttgtggc	gggcacgtga	caagcatcac	180
ctcctgaatt	tgtcatggca	ccggcgcaag	gtacaggtc	ttgacaacct	tgtgttatgt	240
gtcaggaaac	tgaatttgaa	atgaattatc	catggctaaa	tgattatcc	atggctacca	300
gcagggaaat	ggaaaatatt	tgaaccccag	aactgttgat	cgagaattct	ttcaagtttt	360
atatttggcc	tcttctcctt	aatttagata	ttcagtccta	tttccctgat	gcctacaatg	420
tgccaaagtc	gcttataact	ctttgccttt	cgagttgctg	ttttcttgtc	tcaaaacatc	480
ctactcttga	gttcttttgt	cggttaatat	tttgtcatcc	tttagttctc	agctgaagtg	540
tcataattct	aggtaggaat	tttctaccca	cttttccata	agcagaatat	ccttagtttc	600
tgtctgcttt	cacagagtgc	ttactgccta	tttttaaatt	tactacactc	tataattatg	660
ttactgatct	ggttactgtc	acctgatata	attatttaat	gtgcctggct	tagtgtatgt	720
agttgtgcag	taaatattca	ttgaatgaat	aaacgttaaa	ggttatgaaa	ctgtgacgta	780
aaaatcttat	gaataaaaaa	tgggaagatg	gaaaagtcag	aaacagcttc	attacatgtg	840
taaaacacaa	accaattatg	tccaaagaaa	agcaaataat	atctccacag	aattaataat	900
ttaatattat	gtgaagtctg	ggtcattgaa	tacttgtaaa	ttggcaattg	attctcgata	960
tattccttta	aagttataat	cttcttgaag	tttaagggaa	gaaaggtgct	atgagagggc	1020
acaatggatg	ttgaataata	aattttttaa	aacactttat	tcttagaagt	ttcacttttg	1080
tttatcttcc	ttagttaaat	ttcctttgta	gcaaatgtgt	gtacccttga	tcacactgaa	1140
gaaaatttgg	atgttgacag	cacatggaag	cattgttttc	agatatcttc	aacttagcaa	1200
cttttggatg	tcaggctcca	aaaacatcac	aggagggaaa	ataccctgac	tttattgttt	1260
gatgaaaatt	tgtggattgt	gcaattattt	tgggtttgta	tgatttgctt	ttatttactt	1320

<211> 610
 <212> DNA
 <213> Homo sapiens

<400> 1744
 ggcacgaggg aggaaagagg gtggaatctg gacagtatga aggatttgta ttgtacctgt 60
 aatgtttgat gtctgaagct ggggtggtgg catggctgtt tgttattctc catccttttg 120
 gtatgcctga tacatttcat aataatttta aaaaggacaa gactactgca gagaaatgca 180
 tagagtgagc tctgtttggg tttttaaaat gattcctaca tctatgcttg cagatgtaag 240
 caccagccct ggaaaacatt gcaagggtatt cttagtaggc ccaagctttg ggaaagggcc 300
 aagggggctg gggagttgat taggagggga tacatgcttt ttcctgctgc cttttgaatt 360
 ttgtaccaca cgtagtatta cttattaatt aaaaaataat ctgaactagc caggcggtgt 420
 ggcacatacc tagtctcagt tacttgggaag gctgaggcag gaggatcact tgagcccagg 480
 tggttgcggc cagcctgggc aacatagtga gacctgtct ctttagaaaa aacaggccag 540
 gcatggtggc tcacacctgt aatcccagca ctttgggagg ctgaggtggg tggatcacct 600
 gaggtcggga 610

<210> 1745
 <211> 695
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (25)
 <223> n equals a,t,g, or c

<400> 1745
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 ttttttagttg gccatgttgg ccaggcttct cttgaactcc tgacctcaa atgttctgcc 180
 caccttgccc tctcaaagtg ctgggattac aggtgtgagc caccgcacca ggcctaaaat 240
 taaatggatt ccggttgcag gtctttggct caggctgttt tccctgatgt ttctgcaggt 300
 cagttactta tggactgatg tttctgcagg tcagttactt atgtggttgt gcagatggcc 360
 aaccacagtg gccggttact tttctcaggg cacctgcctt ctgaaatgt atcctctctc 420
 ctctcccttt tctcttttct gtcagagaat agcaggggtt gtggaggaaa gctgaattct 480
 aaattagtca tttcgataat taataaggct agctagaggt ttgatgagaa aaaaattgct 540
 gctttttttt gtaagtgtaa tgtggttaga tataaagtat ccaaaattta gacagatctc 600
 aaaatccaaa attttttttt tccctcaaag ccatgcttaa gtttactcag aataaccaca 660
 gcattttttt gaggtctctgc aaataccttc tcgag 695

<210> 1746
 <211> 568
 <212> DNA
 <213> Homo sapiens

<400> 1746
 gcacatagtg atttttctct gtgctttgtc tccagggaca ttggtgctg tcttctgacc 60
 caccctgtgt ggctttggcg tctcctgtga cctaccagta tgggtcttgg cctcatcctg 120
 cctctttgtc tttctggccc accaccaca gcttgaatct caggctccaa cagttgcctg 180
 acccccagat tctgatgaca gcctacctac ttgttcttca ggccctcacc agactcactg 240
 cccagacaca ccacacagga gaacatgaaa ggggtgaatga atctttcatc atttgatgac 300
 caagttggca ttctttttaca ttccagccac cagaggaagg tgtattttta cacaattgcc 360
 ctcacatcct ccttaacagg atttacataa gtttattaac acatatgttt ctacaaaatc 420
 aagttttgag aaccattttt atacactgat ctgggacatt ttggggatat gaaattaact 480
 ttagcacaca cagcaagaag aaaaccgaac aacaaattct acaaacacca aatttgctgt 540

gaaatttaca tttcagattc tcaagaaa

568

<210> 1747
<211> 468
<212> DNA
<213> Homo sapiens

<400> 1747
ggcacgagag gccctgggggt ggcgggggaga ggaacagggga gagcatgaga cagacccaca 60
gggctgaggc caaccctgct tttattttcac aagagcttct cgatggctga caggagctcg 120
ggttttcagga tggagtccgg ctgcggcccc gcggccttga tgtcctccag cacagccatg 180
tcccacgaga aggtcaggag ggcagagggc acctgcggta ggggtaggcc gtcactctga 240
gaccgagagt cggcccttgc cgcggcaggg aactcagcgg gcaacctggg cgcgggggatg 300
ccccggcctg gaagccatct cagctgggtg aggtctgtgg tcgcacccag gcctcctgcc 360
ctgctcctcc gggactccag gacctaaagg taaacctact gcactagtaa cgcacgtcac 420
cgctccatt tgatggggaa actgaggcgt ggagtagtta tgaacttg 468

<210> 1748
<211> 1138
<212> DNA
<213> Homo sapiens

<400> 1748
ggcacgagcg agtattgagt tcattaatgg ttattatcat cgtgtttaat cagtaagtga 60
ttttaacttt cttcattatc cctcctctct gtgtaactgt ggataagtag ttcccatgga 120
ttgcttctct tgtcttctta gcgagaaata tcggtggcta tgagatcata gctcaacagc 180
ttcaattctg tgtcttctct ctgagcaatt tttcttcttt tcagactttt tctttttctt 240
ttccttctcc tttttttcat gttcttctct tgcaataaga aagaatttag aaaaaggaat 300
gtaaatacac catttggaag aagtagaaat taacttcggt tataagaaga cttgggtgct 360
cactaatgta acttttctct ttggctagga aagggattac acctagcgaa aggagacaga 420
gcaaggatga gaggacattt gcccactgag aagagactag tgaacactcg tttcttctta 480
ggtaatgttt tggttcagta tcgcaaaggc taatgacatc ttttgtaagg tgtgaactgc 540
ctctgaacta agaggcatta agatgatgag cagaaagagc actaagattg atgttaaaat 600
taatggcacg tgagaaacat gtcacatata aagacagaga aagctgtaga gggctgggtg 660
ctcaagacaa cttgtgatag attttgggag gccactgtcc acagactggg atccataagc 720
cttaggggca ttgtcacttg gtctggtaac ccatctcagt ctgttctggg gtccctggac 780
ctactgtgtg agatatcaac ataccatttc ttaggcacta gttaatattt cctgaaataa 840
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gaggtgggca gattacttga acccaggagt tcaaaaccag cccggccaac agggcgaaat 960
cccatctcta ctaaaaatta aaaaattagt caggcatggg ggcgctctg taataccagc 1020
tactcagggg gctgaggcag gataattgct tgaaactggg aggtggagat tgcagagagc 1080
tgagatagca ccactgtact ccagcctcga caaagagaga ctttgtcaaa aaaaaaaa 1138

<210> 1749
<211> 898
<212> DNA
<213> Homo sapiens

<400> 1749
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cctatggtct ttctggagat gtcttctcta gactgagcag ccaatgtgtt gctatgaagc 120
tctggctagc tgggtaatgc acttctctgt atttgctctt cctcgttctt tgtctcatgt 180
ctccttttcc ctgggattct accctacact gaagtaatag cacacaaatt tttgtctcaa 240
gttctgttgt ctagggaagc caggctaaga catggttcaa tgggtgtcct tagaaagcag 300
acctccaaaa gagaactttg ggtctccacc gatggtggca aactgggtgg cccggattcc 360
tggcatgcag tgatagtaca attgccaata tgttatgtgg tataggcaga aggcaaggta 420
ttggcatatc aagtggctgt gtacttgatc agtacagagg gaacgataat cataaggatt 480
gtgttacatg gtggctgcct ttgatggctt ggaagatttg caaaaaggca taacagactc 540
aggaaaagcta attgcccact taaaatatgc tgtgaaagtc agagggcctc tatggtagcc 600
ttccaaatcc tcttatctac tgcagctgca gggcaaatga tggaggaaga aaatcatgtt 660
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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1631)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1637)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1651)

<223> n equals a,t,g, or c

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tacctcccag gcattgatcc agcattagtc aagctacaag acactgatgt agaaaaccat 120
aatgtcagtt tactaatgta gaataagaaa taaaatctca gaagacctga gctctcctgt 180
cagcatgact tgcacttgta cttttccttt ttgtagagaa gctaaattat aatcagaaaag 240
ttgttttggg gagcttggaa tcagaaaata ggagtttaag tcatctgttc aacatgcagc 300
tttcctcagc tgtgatagct ttttcctgct gtccagtcct catgtggagc ctgggtcaata 360
gcaccagaat tctaagtctg ctggccaagg tgctgcctyc tgcagagaga gaaagcccat 420
caaagttgac ttcagtgcac ccccttcac tcacccctca tcttycacgg gcaaccaact 480
yccttttga ttgacacatc atttctttac atacattaat gccttccata ttaccacaga 540
gagtttggta gactggaaat cattttatct ctttgatcta cttcatcttt ctctgcattg 600
agcctttgcg tactaattta tagctatctt ctcacaggat agtctatttc cattatatct 660
atattttcta gtggtccttt gcgtttgcct cttttccaga ctgtataggg catggtgccca 720
ggcacagttt atttgtttta ttctatatgc tgatagatc atcttttcca tcttttagatg 780
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atcctctttt gattaaaaaa tatttaattt ctaataatgt gtgttagagt gaaaataaca 900
ggaattatta ggcccagtca agactaacag ttcttgactc atagttccaa atcacagttc 960
caagatttcc ttaacctttc tgatcctcac ttccctccca aaaaagtaag aatggctata 1020
attacctacc tcatggaaat tataaggctt cagcaagatt aaatgtactc atttatttaa 1080
catgcatagt aagaactata aatgttaatt nattcttact tacattarga tactgactta 1140
tgaaacagag attaaacaca ttctgcaaaa ggactgggat tgacaggctt tgattctaatt 1200
agctcaaaaag ataggccatg gcttgctaga gaaaatgaaa ggatactcaa ggctcattag 1260
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gcattctcag gagactcagc catatcatgt tgggttgctc taagaacaca cagagacctt 1440
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tagtgggata agttctttaca atggagctat tctgggtaca aaacatcact actctgtgag 1560
attttggaag ataacactgt ttgctgattt tacaagcccg ctcggggggg ggnccggaac 1620
ccggngcggt ncccgtnect ttcccccccc ncg 1653

<210> 1754

<211> 713

<212> DNA

<213> Homo sapiens

<400> 1754
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acgtgagctt cagaaaagggt gaacatagcc atggctgaga atcgttgtgg attatcatga 120
taggaaattg acatgcttat ggggtgtctg tcctttgggg ttgatgtcag ggagccaagt 180
ggttgcacta tttctgctgt gtgtccgaat ttctaaagta atatccgtgt attgtttgga 240
gagcggactt ttttgcttta ctctacttt tacagaaaag aatttttttt ctcaagcaac 300
aaaacatttg gtctctgggt tcaaagagga ctttattata ttagaattat aaagcttttag 360
ttaggaataa gtgttggaac ttattaaatc aatttactgc aggctgggca tgggtggctca 420
cgctgtaat cccagccctt tgggaggcca agactagtag tctccaattc cattccatca 480